

**From:** Adam Tegen <ategen@manitowoc.org>  
**Sent:** Thursday, September 29, 2022 2:46 PM  
**To:** Beggs, Tauren R - DNR; Cull, Whitney; Byers, Harris  
**Cc:** Coogan, Thomas J - DNR  
**Subject:** RE: External: River Point Turntable: Wisconsin Assessment Monies (WAM) Assessment/Investigation Results

Thanks Tauren,

I will work with Harris and Whitney to get answers back to you.

Adam

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**From:** Beggs, Tauren R - DNR <[Tauren.Beggs@wisconsin.gov](mailto:Tauren.Beggs@wisconsin.gov)>  
**Sent:** Monday, September 26, 2022 2:23 PM  
**To:** Adam Tegen <[ategen@manitowoc.org](mailto:ategen@manitowoc.org)>; Cull, Whitney <[Whitney.Cull@stantec.com](mailto:Whitney.Cull@stantec.com)>; Byers, Harris <[Harris.Byers@stantec.com](mailto:Harris.Byers@stantec.com)>  
**Cc:** Coogan, Thomas J - DNR <[Thomas.Coogan@wisconsin.gov](mailto:Thomas.Coogan@wisconsin.gov)>  
**Subject:** External: River Point Turntable: Wisconsin Assessment Monies (WAM) Assessment/Investigation Results

Hi Adam, Harris, and Whitney,

Attached is the data package of the assessment/investigation work done under the WAM grant for the River Point Turntable site. My understanding from correspondence on April 15, 2022, is Stantec is going to incorporate this data from the WAM work with the data already collected by Stantec to generate and submit a report to DNR. Is this still the plan?

A couple other questions/comments:

- Fill out a new hazardous substance discharge form for the new contamination found on-site, which was not previously identified from the closed case. Remember to check the box that the city indicates they have the LGU exemption. Then I can get a new BRRTS # established which you can then reference in the report you generate.
- Are you still planning to submit a VPLE application concurrently with this upcoming report submittal and will that still be including a supplement to the Phase I ESA focusing on the specific Lot 3?
- AECOM identified layers of foundry sand in their borings logs for the WAM work. Is that also what you have been seeing in the field during Stantec's work on the River Point site? If so, that may mean historic fill exemption/approval processes would be needed moving forward with future developments.

If you have any questions, please let me know.

Regards,

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

**Tauren R. Beggs**

Hydrogeologist & Northeast Region Land Recycling Expert

Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

2984 Shawano Ave

Green Bay, WI 54313

Phone: (920) 510-3472

[Tauren.Beggs@wisconsin.gov](mailto:Tauren.Beggs@wisconsin.gov) (preferred contact method during work at home)

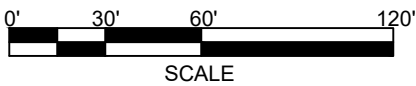
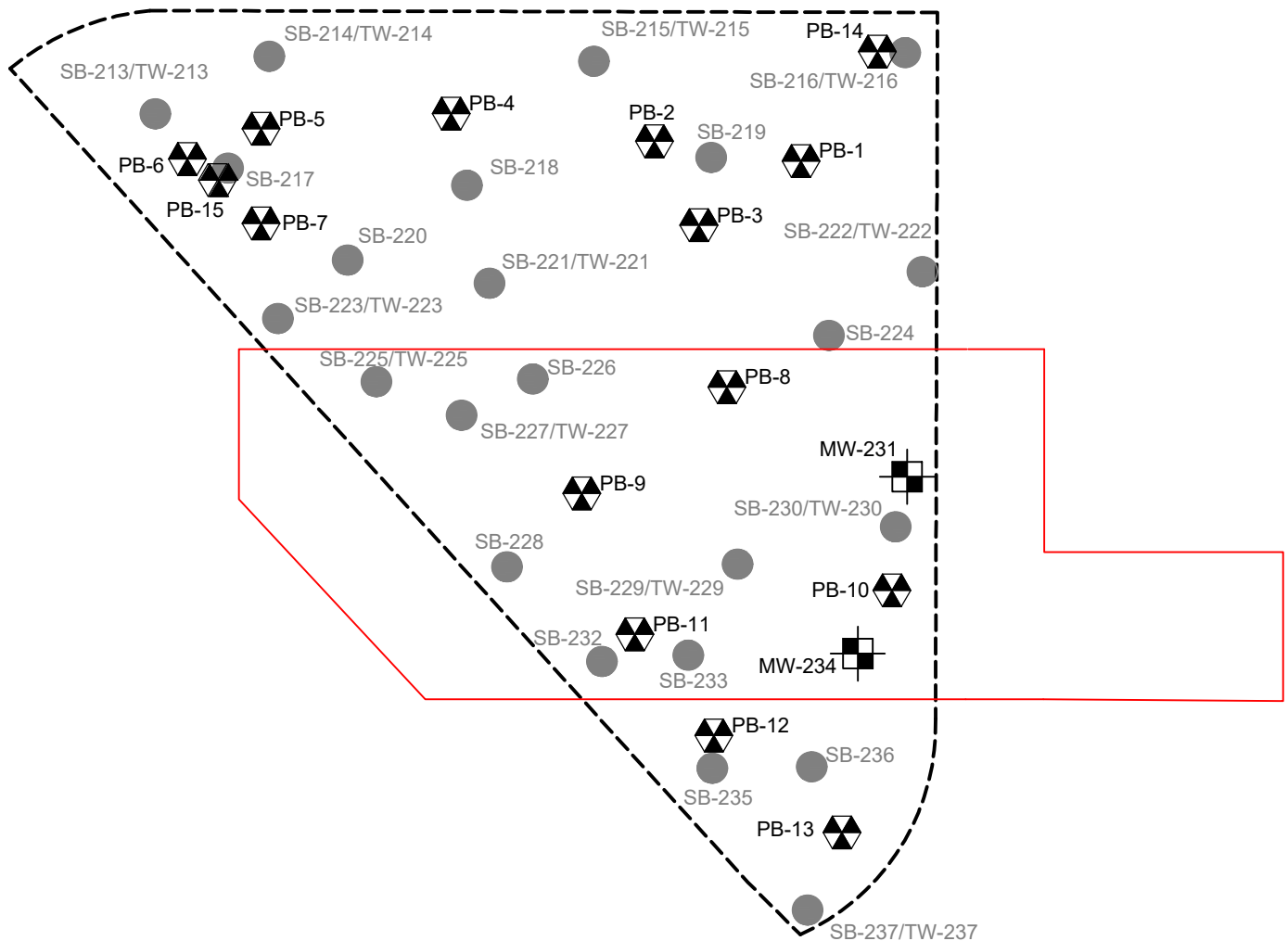
[dnr.wi.gov](http://dnr.wi.gov)

**Be Alert !**

This is External or System generated Email. Please verify before opening any links or attachments.

N. 11th STREET

BUFFALO STREET



**Legend:**

- Approximate Parcel Outline
- ⊠ Soil Boring/Monitoring Well
- Prior Sample Locations by Stantec
- ⚠ Soil Probe Borings
- Cap Maintenance Area



AECOM  
 Milwaukee Office  
 1555 RiverCenter Dr  
 Milwaukee, WI  
 414.944.6080



Former CN Property Limited SI Report  
 Northwest Corner of N11th Street and York Street  
 Manitowoc, WI

SAMPLE LOCATIONS

Project Number:  
60679770

Drawn By:  
CAS






Date:  
5/2/2022

Figure No. 1



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-1</b>
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>
					Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "		
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>	




Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1	60 52		1	FILL: Sand with clay and sand, brown (10YR 4/3), odor	Fill			3.4							Sampled 1-2 at 1140	
			2	FILL: Foundry sand, black (10YR 2/1)	Fill											
			3	FILL: Foundry sand with gravel, black (10YR 2/1), odor	Fill											
			4	SAND with silt and gravel, dark brown (10YR 3/3)	SP											
			5	SAND with clay and gravel, black (10YR 2/1)	SP											
				End of boring at 5 feet bgs												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-2</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	60 54		1	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill			15.9						
			2	FILL: Foundry sand with silt and gravel, black (10YR 2/1), odor	Fill									
			3	SAND with silt and gravel, dark brown (10YR 3/3), odor	SP			91						
			4											
			5	End of boring at 5 feet bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-3</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	60 48		1	FILL: Well graded sand with gravel, brown (10YR 4/3)	Fill			0.0						Sampled 1-2 at 1100
				FILL: Gravel, light gray (10YR 7/1)	Fill									
			2	FILL: Sand with silt and gravel, dark brown (10YR 3/3)	Fill									
			3	FILL: Foundry sand and gravel, black (10YR 2/1)	Fill									
			4	SAND with clay and gravel, dark yellowish brown (10YR 3/6)	SP									
		5	End of boring at 5 feet bgs										Sampled 4-5 at 1110	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-4</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 36		1	FILL: Topsoil with gravel, black (10YR 2/1)	Fill			5.0							
			2	FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1), odor	Fill										68.7
			3	FILL: Sand with silt and gravel, strong brown (7.5YR 5/8), odor	Fill										
			4	FILL: Foundry sand with gravel and wood fragments, black (10YR 2/1)	Fill										
			5	End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-5</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 48			FILL: Topsoil with gravel, black (10YR 2/1)	Fill			0.2							
				FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1)	Fill										
				FILL: Foundry sand with gravel, black (10YR 2/1)	Fill										
				SAND with silt and gravel, brown (10YR 4/3)	SP-SM										
				End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-6</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	60 36		1	FILL: Topsoil with gravel, black (10YR 2/1)	Fill			0.1						
			2	FILL: Foundry sand with gravel, black (10YR 2/1)	Fill									
			3	FILL: Gravel, light gray (10YR 7/1)	Fill									
			4	FILL: Foundry sand and wood fragments, black (10YR 2/1)	Fill									
			5	FILL: Sand with silt and gravel, black (10YR 2/1)	Fill									
				End of boring at 5 feet bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-7</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		


Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 48		1	FILL: Topsoil with foundry sand and gravel, black (10YR 2/1)	Fill			0.1							Sampled 1-2 at 1300
			2	FILL: Foundry sand, black (10YR 2/1)	Fill										
			3	FILL: Sand with silt and gravel, brown (10YR 4/3)	Fill										
			4	SILTY SAND, yellowish brown (10YR 5/4), loose, moist	SP-SM			0.1						Sampled 3-4 at 1310	
			5	End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-8</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

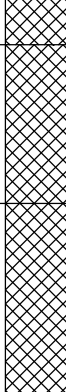
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 42		1	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill			0.2							
			2	FILL: Foundry sand with gravel, black (10YR 2/1)	Fill										
			3	FILL: Sand with clay, brown (10YR 4/3)	Fill										
			4	FILL: Sand with clay and gravel, dark yellowish brown (10YR 3/6)	Fill										
			5	End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-9</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 36		1	FILL: Silty sand and gravel, brown (10YR 5/3)	Fill			0.2							
			2	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill										0.3
			3	FILL: Sand with clay, brown (10YR 4/3)	Fill										
			4												
			5	End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-10</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 48		1	FILL: Silty sand and gravel, brown (10YR 5/3)	Fill			0.3							
			2	FILL: Gravel with sand, light gray (10YR 7/1)	Fill										
			3	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill										
			4	FILL: Sand and gravel, dark grayish brown (10YR 4/2)	Fill										
			5	FILL: Foundry sand, black (10YR 2/1)	Fill										
			5	FILL: Very fine silty sand, light yellowish brown (10YR 6/4)	Fill										
				End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-11</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

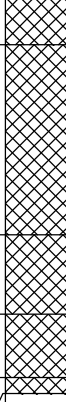
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 60		1	FILL: Silty sand and gravel, brown (10YR 5/3)	Fill			0.0							
			2	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill										0.5
			3	FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1), moist to dry, wood fragments at bottom	Fill										
			4	FILL: Foundry sand with wood fragments, black (10YR 2/1)	Fill										
			5	End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-12</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 54		1	FILL: Silty sand and gravel, brown (10YR 5/3)	Fill			0.2							Sampled 1-2 at 0940
			2	FILL: Sand and gravel, brown (10YR 4/3), fine to medium	Fill										
			3	FILL: Silty sand, light yellowish brown (10YR 6/4), very fine	Fill										
			4	FILL: Silty sand, dark gray (10YR 4/1), very fine	Fill										
			5	FILL: Foundry sand, black (10YR 2/1) End of boring at 5 feet bgs	Fill										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-13</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1	60 54		1	FILL: Silty sand and gravel, brown (10YR 5/3)	Fill			0.2							
			2	FILL: Sand with clay and gravel, brown (10YR 4/3)	Fill										
			3												
			4	FILL: Gravel with sand, light gray (10YR 7/1)	Fill										0.2
			5	FILL: Foundry sand with wood fragments, black (10YR 2/1)	Fill										
				End of boring at 5 feet bgs											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-14</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.62 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "		Feet _____ Feet _____	
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments																							
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200																								
1	60 54		1	FILL: Silty sand with gravel, brown (10YR 5/3)	Fill			0.3						Sampled 1-2 at 1320																							
			2	FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1)	Fill																																
			3	FILL: Asphalt/foundry sand, light red (2.5YR 8/4), hardened	Fill																																
2	60 54		4	FILL: Sand with silt and gravel, dark grayish brown (10YR 4/2)	Fill											0.1						Sampled 3-4 at 1330															
			5	FILL: Silty sand with gravel, yellowish brown (10YR 5/4), dry to moist	Fill																																
			6	FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1), moist to wet to moist	Fill																																
3	60 60		7	FILL: Sand with silt and gravel, dark brown (10YR 3/3) with black (10YR 2/1), moist to wet to moist	Fill																																
			8	Wet at 9 feet	Fill																																
			9	FILL: Lean clay, black (10YR 2/1), moist	Fill																																
			10																																		
			11																																		
			12																																		


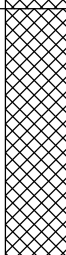
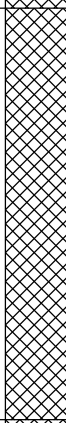
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>River Point District Turntable LSI (Parcel #3)</b>			License/Permit/Monitoring Number		Boring Number <b>PB-15</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Tony Kapugi On-Site Environmental</b>			Date Drilling Started <b>8/19/2022</b>	Date Drilling Completed <b>8/19/2022</b>	Drilling Method <b>geoprobe</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>2.25</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane <b>44.09 N, -87.66 E S/C/N</b>			Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ° _____ ' _____ "			
Facility ID		County <b>Manitowoc</b>	County Code <b>36</b>	Civil Town/City/ or Village <b>City of Manitowoc</b>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	60 36		1	FILL: Topsoil with foundry sand, black (10YR 2/1)	Fill									
			2	FILL: Sand with silt and gravel, black (10YR 2/1)	Fill									
2	60 48		3	FILL: Sand with silt and ravel, dark brown (10YR 3/3) with black (10YR 2/1), dry to moist	Fill									Sampled 4-5 at 1350
			4											
3	60 60		5	FILL: Lean clay, wood fragments, light blue (GLEY1 4/5G_1), soft to medium, moist	Fill									
			6											
			7											
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>AECOM</b>	Tel: Fax:
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September 01, 2022

Lanette Altenbach  
AECOM, Inc.  
1555 N River Center Drive  
Suite 214  
Milwaukee, WI 53212

RE: Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska  
christopher.hyska@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40250229001	PB-1 (1'-2')	Solid	08/19/22 11:40	08/23/22 08:10
40250229002	PB-1 (3'-4')	Solid	08/19/22 11:50	08/23/22 08:10
40250229003	TB-01	Solid	08/19/22 11:50	08/23/22 08:10
40250229004	PB-2 (1'-2')	Solid	08/19/22 11:20	08/23/22 08:10
40250229005	PB-2 (3'-4')	Solid	08/19/22 11:30	08/23/22 08:10
40250229006	PB-3 (1'-2')	Solid	08/19/22 11:00	08/23/22 08:10
40250229007	PB-3 (4'-5')	Solid	08/19/22 11:10	08/23/22 08:10
40250229008	PB-4 (1'-2')	Solid	08/19/22 12:00	08/23/22 08:10
40250229009	PB-4 (2'-3')	Solid	08/19/22 12:10	08/23/22 08:10
40250229010	PB-5 (1'-2')	Solid	08/19/22 12:20	08/23/22 08:10
40250229011	PB-5 (3'-4')	Solid	08/19/22 12:30	08/23/22 08:10
40250229012	PB-6 (1'-2')	Solid	08/19/22 12:40	08/23/22 08:10
40250229013	PB-6 (2'-3')	Solid	08/19/22 12:50	08/23/22 08:10
40250229014	PB-7 (1'-2')	Solid	08/19/22 13:00	08/23/22 08:10
40250229015	PB-7 (3'-4')	Solid	08/19/22 13:10	08/23/22 08:10
40250229016	PB-8 (1'-2')	Solid	08/19/22 10:40	08/23/22 08:10
40250229017	PB-8 (3'-4')	Solid	08/19/22 10:50	08/23/22 08:10
40250229018	PB-9 (1'-2')	Solid	08/19/22 09:00	08/23/22 08:10
40250229019	PB-9 (2'-3')	Solid	08/19/22 09:10	08/23/22 08:10
40250229020	PB-10 (2'-3')	Solid	08/19/22 10:20	08/23/22 08:10
40250229021	PB-10 (3'-4')	Solid	08/19/22 10:30	08/23/22 08:10
40250229022	PB-11 (1'-2')	Solid	08/19/22 09:20	08/23/22 08:10
40250229023	PB-11 (2'-3')	Solid	08/19/22 09:30	08/23/22 08:10
40250229024	PB-12 (1'-2')	Solid	08/19/22 09:40	08/23/22 08:10
40250229025	PB-12 (3'-4')	Solid	08/19/22 09:50	08/23/22 08:10
40250229026	PB-13 (1'-2')	Solid	08/19/22 10:00	08/23/22 08:10
40250229027	PB-13 (3'-4')	Solid	08/19/22 10:10	08/23/22 08:10
40250229028	PB-14 (1'-2')	Solid	08/19/22 13:20	08/23/22 08:10
40250229029	PB-14 (3'-4')	Solid	08/19/22 13:30	08/23/22 08:10
40250229030	PB-15 (1'-2')	Solid	08/19/22 13:40	08/23/22 08:10
40250229031	PB-15 (4'-5')	Solid	08/19/22 13:50	08/23/22 08:10

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250229001	PB-1 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229002	PB-1 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229003	TB-01	EPA 8260	ALD	65	PASI-G
40250229004	PB-2 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229005	PB-2 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229006	PB-3 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229007	PB-3 (4'-5')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229008	PB-4 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229009	PB-4 (2'-3')	EPA 6010D	SIS	7	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250229010	PB-5 (1'-2')	EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40250229011	PB-5 (3'-4')	EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229012	PB-6 (1'-2')	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
40250229013	PB-6 (2'-3')	EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229014	PB-7 (1'-2')	ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
40250229015	PB-7 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40250229016	PB-8 (1'-2')	EPA 8270E by SIM	RJN	20	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 6010D	SIS	7	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250229017	PB-8 (3'-4')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229018	PB-9 (1'-2')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229019	PB-9 (2'-3')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229020	PB-10 (2'-3')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229021	PB-10 (3'-4')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229022	PB-11 (1'-2')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
40250229023	PB-11 (2'-3')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250229024	PB-12 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229025	PB-12 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229026	PB-13 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229027	PB-13 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229028	PB-14 (1'-2')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229029	PB-14 (3'-4')	EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E by SIM	RJN	20	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229030	PB-15 (1'-2')	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40250229031	PB-15 (4'-5')	EPA 8082A	BLM	10	PASI-G
		EPA 6010D	SIS	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974-87	PDV	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40250229001</b>	<b>PB-1 (1'-2')</b>					
EPA 6010D	Arsenic	1.8J	mg/kg	2.7	08/26/22 15:58	
EPA 6010D	Barium	53.1	mg/kg	0.55	08/26/22 15:58	M0,R1
EPA 6010D	Cadmium	0.58	mg/kg	0.55	08/26/22 15:58	
EPA 6010D	Chromium	11.4	mg/kg	1.1	08/26/22 15:58	
EPA 6010D	Lead	270	mg/kg	21.9	08/29/22 17:28	P6,R1
EPA 7471	Mercury	0.12	mg/kg	0.038	08/26/22 07:29	
EPA 8270E by SIM	Acenaphthene	909	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Acenaphthylene	598	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Anthracene	3530	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Benzo(a)anthracene	6230	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Benzo(a)pyrene	6670	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Benzo(b)fluoranthene	7390	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Benzo(g,h,i)perylene	4200	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Benzo(k)fluoranthene	3160	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Chrysene	6810	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Dibenz(a,h)anthracene	757	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Fluoranthene	17200	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Fluorene	1600	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	3310	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	1-Methylnaphthalene	239J	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	2-Methylnaphthalene	313J	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Naphthalene	758	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Phenanthrene	13500	ug/kg	369	08/26/22 11:19	
EPA 8270E by SIM	Pyrene	14900	ug/kg	369	08/26/22 11:19	
EPA 8260	Naphthalene	38.7J	ug/kg	301	08/25/22 19:17	
EPA 8260	Toluene	17.7J	ug/kg	60.3	08/25/22 19:17	
ASTM D2974-87	Percent Moisture	9.3	%	0.10	08/24/22 16:37	
<b>40250229002</b>	<b>PB-1 (3'-4')</b>					
EPA 6010D	Barium	53.4	mg/kg	5.4	08/29/22 17:38	
EPA 6010D	Chromium	10.9	mg/kg	10.8	08/29/22 17:38	
EPA 6010D	Lead	24500	mg/kg	21.7	08/29/22 17:38	
EPA 7471	Mercury	0.093	mg/kg	0.036	08/26/22 07:36	
EPA 8270E by SIM	Acenaphthene	196	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Acenaphthylene	28.0J	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Anthracene	211	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Benzo(a)anthracene	199	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Benzo(a)pyrene	195	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Benzo(b)fluoranthene	309	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Benzo(g,h,i)perylene	96.7	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Benzo(k)fluoranthene	96.5	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Chrysene	248	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Dibenz(a,h)anthracene	28.1J	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Fluoranthene	596	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Fluorene	161	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	80.4	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	1-Methylnaphthalene	118	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	2-Methylnaphthalene	144	ug/kg	74.4	08/26/22 20:10	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229002</b>	<b>PB-1 (3'-4')</b>					
EPA 8270E by SIM	Naphthalene	241	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Phenanthrene	608	ug/kg	74.4	08/26/22 20:10	
EPA 8270E by SIM	Pyrene	483	ug/kg	74.4	08/26/22 20:10	
EPA 8260	Ethylbenzene	59.2J	ug/kg	61.3	08/25/22 19:37	
EPA 8260	Isopropylbenzene (Cumene)	39.3J	ug/kg	61.3	08/25/22 19:37	
EPA 8260	Naphthalene	372	ug/kg	307	08/25/22 19:37	
EPA 8260	n-Propylbenzene	50.1J	ug/kg	61.3	08/25/22 19:37	
EPA 8260	Toluene	91.5	ug/kg	61.3	08/25/22 19:37	
EPA 8260	1,2,4-Trimethylbenzene	126	ug/kg	61.3	08/25/22 19:37	
EPA 8260	1,3,5-Trimethylbenzene	68.6	ug/kg	61.3	08/25/22 19:37	
EPA 8260	Xylene (Total)	211	ug/kg	184	08/25/22 19:37	
EPA 8260	m&p-Xylene	117J	ug/kg	123	08/25/22 19:37	
EPA 8260	o-Xylene	93.8	ug/kg	61.3	08/25/22 19:37	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	08/24/22 16:37	
<b>40250229004</b>	<b>PB-2 (1'-2')</b>					
EPA 6010D	Arsenic	3.5	mg/kg	2.6	08/26/22 16:17	
EPA 6010D	Barium	44.0	mg/kg	0.52	08/26/22 16:17	
EPA 6010D	Cadmium	1.0	mg/kg	0.52	08/26/22 16:17	
EPA 6010D	Chromium	24.1	mg/kg	1.0	08/26/22 16:17	
EPA 6010D	Lead	49.4	mg/kg	2.1	08/26/22 16:17	
EPA 7471	Mercury	0.024J	mg/kg	0.036	08/26/22 07:38	
EPA 8270E by SIM	Acenaphthene	17.5J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Anthracene	38.0J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Benzo(a)anthracene	110	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Benzo(a)pyrene	178	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Benzo(b)fluoranthene	251	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Benzo(g,h,i)perylene	102	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Benzo(k)fluoranthene	129	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Chrysene	229	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Dibenz(a,h)anthracene	21.5J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Fluoranthene	313	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Fluorene	13.4J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	65.8J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	2-Methylnaphthalene	14.1J	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Naphthalene	15.8J	ug/kg	93.5	08/26/22 20:27	D3
EPA 8270E by SIM	Phenanthrene	174	ug/kg	93.5	08/26/22 20:27	
EPA 8270E by SIM	Pyrene	298	ug/kg	93.5	08/26/22 20:27	
ASTM D2974-87	Percent Moisture	10.6	%	0.10	08/24/22 16:37	
<b>40250229005</b>	<b>PB-2 (3'-4')</b>					
EPA 6010D	Arsenic	1.9J	mg/kg	2.6	08/26/22 16:22	
EPA 6010D	Barium	19.6	mg/kg	0.53	08/26/22 16:22	
EPA 6010D	Chromium	7.2	mg/kg	1.1	08/26/22 16:22	
EPA 6010D	Lead	15.2	mg/kg	2.1	08/26/22 16:22	
EPA 7471	Mercury	0.029J	mg/kg	0.037	08/26/22 07:40	
EPA 8270E by SIM	Acenaphthene	95.8	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Acenaphthylene	18.1J	ug/kg	91.7	08/26/22 17:35	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40250229005</b>	<b>PB-2 (3'-4')</b>					
EPA 8270E by SIM	Anthracene	167	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Benzo(a)anthracene	350	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Benzo(a)pyrene	440	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Benzo(b)fluoranthene	635	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Benzo(g,h,i)perylene	277	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Benzo(k)fluoranthene	258	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Chrysene	567	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Dibenz(a,h)anthracene	72.8J	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Fluoranthene	1140	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Fluorene	86.5J	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	205	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	1-Methylnaphthalene	35.7J	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	2-Methylnaphthalene	43.8J	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Naphthalene	44.7J	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Phenanthrene	865	ug/kg	91.7	08/26/22 17:35	
EPA 8270E by SIM	Pyrene	880	ug/kg	91.7	08/26/22 17:35	
ASTM D2974-87	Percent Moisture	8.9	%	0.10	08/24/22 16:38	
<b>40250229006</b>	<b>PB-3 (1'-2')</b>					
EPA 6010D	Arsenic	1.6J	mg/kg	2.6	08/26/22 16:24	
EPA 6010D	Barium	23.2	mg/kg	0.52	08/26/22 16:24	
EPA 6010D	Chromium	7.9	mg/kg	1.0	08/26/22 16:24	
EPA 6010D	Lead	26.1	mg/kg	2.1	08/26/22 16:24	
EPA 7471	Mercury	0.031J	mg/kg	0.034	08/26/22 07:43	
EPA 8270E by SIM	Acenaphthene	8.0J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Acenaphthylene	11.4J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Anthracene	22.9	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Benzo(a)anthracene	52.6	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Benzo(a)pyrene	64.6	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Benzo(b)fluoranthene	87.6	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Benzo(g,h,i)perylene	45.0	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Benzo(k)fluoranthene	28.5	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Chrysene	64.9	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Dibenz(a,h)anthracene	11.4J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Fluoranthene	119	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Fluorene	7.7J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	35.4	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	1-Methylnaphthalene	9.7J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	2-Methylnaphthalene	12.1J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Naphthalene	16.5J	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Phenanthrene	72.3	ug/kg	18.0	08/26/22 16:26	
EPA 8270E by SIM	Pyrene	129	ug/kg	18.0	08/26/22 16:26	
ASTM D2974-87	Percent Moisture	7.3	%	0.10	08/24/22 16:38	
<b>40250229007</b>	<b>PB-3 (4'-5')</b>					
EPA 6010D	Arsenic	1.8J	mg/kg	2.8	08/26/22 16:27	
EPA 6010D	Barium	33.4	mg/kg	0.57	08/26/22 16:27	
EPA 6010D	Cadmium	0.25J	mg/kg	0.57	08/26/22 16:27	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40250229007</b>	<b>PB-3 (4'-5')</b>					
EPA 6010D	Chromium	11.8	mg/kg	1.1	08/26/22 16:27	
EPA 6010D	Lead	11.1	mg/kg	2.3	08/26/22 16:27	
EPA 7471	Mercury	0.019J	mg/kg	0.040	08/26/22 07:45	
EPA 8270E by SIM	Acenaphthene	6.6J	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Acenaphthylene	5.4J	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Anthracene	8.0J	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Benzo(a)anthracene	44.6	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Benzo(a)pyrene	56.1	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Benzo(b)fluoranthene	86.8	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Benzo(g,h,i)perylene	36.8	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Benzo(k)fluoranthene	30.8	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Chrysene	63.6	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Dibenz(a,h)anthracene	10.1J	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Fluoranthene	93.6	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Fluorene	4.1J	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	29.4	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	1-Methylnaphthalene	70.2	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	2-Methylnaphthalene	80.8	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Naphthalene	53.2	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Phenanthrene	61.3	ug/kg	19.2	08/26/22 17:52	
EPA 8270E by SIM	Pyrene	85.2	ug/kg	19.2	08/26/22 17:52	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	08/24/22 16:38	
<b>40250229008</b>	<b>PB-4 (1'-2')</b>					
EPA 6010D	Barium	24.1	mg/kg	0.54	08/26/22 16:29	
EPA 6010D	Chromium	5.1	mg/kg	1.1	08/26/22 16:29	
EPA 6010D	Lead	14.2	mg/kg	2.2	08/26/22 16:29	
EPA 7471	Mercury	0.021J	mg/kg	0.038	08/26/22 07:47	
EPA 8270E by SIM	Acenaphthene	22.8J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Acenaphthylene	53.3J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Anthracene	46.7J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Benzo(a)anthracene	124	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Benzo(a)pyrene	106	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Benzo(b)fluoranthene	153	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Benzo(g,h,i)perylene	47.8J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Benzo(k)fluoranthene	49.0J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Chrysene	146	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Dibenz(a,h)anthracene	16.5J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Fluoranthene	210	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Fluorene	38.6J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	39.9J	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	1-Methylnaphthalene	932	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	2-Methylnaphthalene	1170	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Naphthalene	858	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Phenanthrene	547	ug/kg	91.2	08/26/22 18:10	
EPA 8270E by SIM	Pyrene	211	ug/kg	91.2	08/26/22 18:10	
EPA 8260	Benzene	24.2	ug/kg	23.7	08/26/22 17:58	
EPA 8260	Ethylbenzene	38.8J	ug/kg	59.3	08/26/22 17:58	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40250229008</b>	<b>PB-4 (1'-2')</b>					
EPA 8260	Isopropylbenzene (Cumene)	18.8J	ug/kg	59.3	08/26/22 17:58	
EPA 8260	Naphthalene	101J	ug/kg	297	08/26/22 17:58	
EPA 8260	n-Propylbenzene	27.2J	ug/kg	59.3	08/26/22 17:58	
EPA 8260	Toluene	141	ug/kg	59.3	08/26/22 17:58	
EPA 8260	1,2,4-Trimethylbenzene	32.5J	ug/kg	59.3	08/26/22 17:58	
EPA 8260	Xylene (Total)	179	ug/kg	178	08/26/22 17:58	
EPA 8260	m&p-Xylene	104J	ug/kg	119	08/26/22 17:58	
EPA 8260	o-Xylene	74.4	ug/kg	59.3	08/26/22 17:58	
ASTM D2974-87	Percent Moisture	8.5	%	0.10	08/24/22 16:38	
<b>40250229009</b>	<b>PB-4 (2'-3')</b>					
EPA 6010D	Arsenic	87.9	mg/kg	34.1	08/29/22 17:43	
EPA 6010D	Barium	23.9	mg/kg	6.8	08/29/22 17:43	
EPA 6010D	Chromium	20.1	mg/kg	13.6	08/29/22 17:43	
EPA 6010D	Lead	23.8J	mg/kg	27.2	08/29/22 17:43	D3
EPA 7471	Mercury	0.093	mg/kg	0.043	08/26/22 07:49	
EPA 8270E by SIM	Acenaphthene	186	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Acenaphthylene	55.6J	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Anthracene	352	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Benzo(a)anthracene	355	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Benzo(a)pyrene	253	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Benzo(b)fluoranthene	344	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Benzo(g,h,i)perylene	143	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Benzo(k)fluoranthene	140	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Chrysene	424	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Dibenz(a,h)anthracene	52.8J	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Fluoranthene	838	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Fluorene	200	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	121	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	1-Methylnaphthalene	833	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	2-Methylnaphthalene	1060	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Naphthalene	779	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Phenanthrene	1510	ug/kg	115	08/29/22 12:19	
EPA 8270E by SIM	Pyrene	604	ug/kg	115	08/29/22 12:19	
ASTM D2974-87	Percent Moisture	27.6	%	0.10	08/24/22 16:38	
<b>40250229010</b>	<b>PB-5 (1'-2')</b>					
EPA 6010D	Arsenic	6.4	mg/kg	2.8	08/26/22 16:34	
EPA 6010D	Barium	36.6	mg/kg	0.56	08/26/22 16:34	
EPA 6010D	Cadmium	0.17J	mg/kg	0.56	08/26/22 16:34	
EPA 6010D	Chromium	8.2	mg/kg	1.1	08/26/22 16:34	
EPA 6010D	Lead	45.0	mg/kg	2.2	08/26/22 16:34	
EPA 7471	Mercury	0.046	mg/kg	0.038	08/26/22 07:52	
EPA 8270E by SIM	Acenaphthene	52.6J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Acenaphthylene	123J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Anthracene	113J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Benzo(a)anthracene	273J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Benzo(a)pyrene	119J	ug/kg	375	08/26/22 19:52	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229010</b>	<b>PB-5 (1'-2')</b>					
EPA 8270E by SIM	Benzo(b)fluoranthene	177J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Benzo(k)fluoranthene	63.9J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Chrysene	321J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Fluoranthene	262J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Fluorene	59.6J	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	1-Methylnaphthalene	3840	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	2-Methylnaphthalene	4710	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Naphthalene	3430	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Phenanthrene	1800	ug/kg	375	08/26/22 19:52	
EPA 8270E by SIM	Pyrene	362J	ug/kg	375	08/26/22 19:52	
ASTM D2974-87	Percent Moisture	10.9	%	0.10	08/24/22 16:38	
<b>40250229011</b>	<b>PB-5 (3'-4')</b>					
EPA 6010D	Arsenic	2.1J	mg/kg	3.0	08/26/22 16:37	
EPA 6010D	Barium	22.9	mg/kg	0.59	08/26/22 16:37	
EPA 6010D	Chromium	15.6	mg/kg	1.2	08/26/22 16:37	
EPA 6010D	Lead	4.9	mg/kg	2.4	08/26/22 16:37	
EPA 7471	Mercury	0.015J	mg/kg	0.039	08/26/22 07:54	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	08/24/22 16:38	
<b>40250229012</b>	<b>PB-6 (1'-2')</b>					
EPA 8082A	PCB-1260 (Aroclor 1260)	19.0J	ug/kg	53.9	08/25/22 11:37	
EPA 8082A	PCB, Total	19.0J	ug/kg	53.9	08/25/22 11:37	
EPA 6010D	Arsenic	16.2	mg/kg	2.5	08/26/22 16:44	
EPA 6010D	Barium	92.6	mg/kg	0.49	08/26/22 16:44	
EPA 6010D	Cadmium	0.40J	mg/kg	0.49	08/26/22 16:44	
EPA 6010D	Chromium	24.7	mg/kg	0.99	08/26/22 16:44	
EPA 6010D	Lead	318	mg/kg	2.0	08/26/22 16:44	
EPA 6010D	Selenium	3.0J	mg/kg	3.9	08/26/22 16:44	
EPA 6010D	Silver	0.48J	mg/kg	0.99	08/26/22 16:44	
EPA 7471	Mercury	0.12	mg/kg	0.035	08/26/22 07:56	
EPA 8270E by SIM	Acenaphthene	29.4J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Acenaphthylene	57.8J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Anthracene	65.8J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Benzo(a)anthracene	136	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Benzo(a)pyrene	77.1J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Benzo(b)fluoranthene	148	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Benzo(g,h,i)perylene	34.6J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Benzo(k)fluoranthene	45.4J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Chrysene	181	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Dibenz(a,h)anthracene	16.1J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Fluoranthene	172	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Fluorene	31.9J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	30.2J	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	1-Methylnaphthalene	1610	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	2-Methylnaphthalene	1970	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Naphthalene	1430	ug/kg	90.3	08/26/22 19:35	
EPA 8270E by SIM	Phenanthrene	846	ug/kg	90.3	08/26/22 19:35	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229012</b>	<b>PB-6 (1'-2')</b>					
EPA 8270E by SIM	Pyrene	204	ug/kg	90.3	08/26/22 19:35	
ASTM D2974-87	Percent Moisture	7.5	%	0.10	08/24/22 16:38	
<b>40250229013</b>	<b>PB-6 (2'-3')</b>					
EPA 6010D	Arsenic	11.3	mg/kg	2.8	08/26/22 16:46	
EPA 6010D	Barium	110	mg/kg	0.56	08/26/22 16:46	
EPA 6010D	Cadmium	0.58	mg/kg	0.56	08/26/22 16:46	
EPA 6010D	Chromium	10.7	mg/kg	1.1	08/26/22 16:46	
EPA 6010D	Lead	162	mg/kg	2.3	08/26/22 16:46	
EPA 6010D	Selenium	2.2J	mg/kg	4.5	08/26/22 16:46	
EPA 6010D	Silver	0.36J	mg/kg	1.1	08/26/22 16:46	
EPA 7471	Mercury	0.043	mg/kg	0.040	08/26/22 08:03	
EPA 8270E by SIM	Acenaphthylene	57.6J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Anthracene	43.1J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Benzo(a)anthracene	97.7	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Benzo(a)pyrene	61.9J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Benzo(b)fluoranthene	186	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Benzo(g,h,i)perylene	64.1J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Benzo(k)fluoranthene	58.2J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Chrysene	188	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Dibenz(a,h)anthracene	21.2J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Fluoranthene	221	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Fluorene	19.0J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	51.5J	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	1-Methylnaphthalene	741	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	2-Methylnaphthalene	909	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Naphthalene	701	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Phenanthrene	573	ug/kg	79.5	08/26/22 18:27	
EPA 8270E by SIM	Pyrene	191	ug/kg	79.5	08/26/22 18:27	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	08/24/22 16:38	
<b>40250229014</b>	<b>PB-7 (1'-2')</b>					
EPA 6010D	Barium	24.6	mg/kg	0.54	08/26/22 16:49	
EPA 6010D	Cadmium	0.69	mg/kg	0.54	08/26/22 16:49	
EPA 6010D	Chromium	9.4	mg/kg	1.1	08/26/22 16:49	
EPA 6010D	Lead	50.9	mg/kg	2.2	08/26/22 16:49	
EPA 7471	Mercury	0.15	mg/kg	0.035	08/26/22 08:06	
EPA 8270E by SIM	Anthracene	3.4J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Benzo(a)anthracene	8.0J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Benzo(a)pyrene	7.8J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Benzo(b)fluoranthene	9.7J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Benzo(g,h,i)perylene	4.5J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Benzo(k)fluoranthene	4.6J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Chrysene	13.3J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Fluoranthene	18.0J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	1-Methylnaphthalene	10.2J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	2-Methylnaphthalene	13.0J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Naphthalene	9.6J	ug/kg	18.4	08/26/22 17:01	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229014</b>	<b>PB-7 (1'-2')</b>					
EPA 8270E by SIM	Phenanthrene	17.3J	ug/kg	18.4	08/26/22 17:01	
EPA 8270E by SIM	Pyrene	25.9	ug/kg	18.4	08/26/22 17:01	
ASTM D2974-87	Percent Moisture	9.2	%	0.10	08/25/22 11:53	
<b>40250229015</b>	<b>PB-7 (3'-4')</b>					
EPA 6010D	Barium	30.5	mg/kg	0.61	08/26/22 16:51	
EPA 6010D	Cadmium	0.16J	mg/kg	0.61	08/26/22 16:51	
EPA 6010D	Chromium	14.4	mg/kg	1.2	08/26/22 16:51	
EPA 6010D	Lead	4.3	mg/kg	2.4	08/26/22 16:51	
ASTM D2974-87	Percent Moisture	18.5	%	0.10	08/25/22 11:53	
<b>40250229016</b>	<b>PB-8 (1'-2')</b>					
EPA 6010D	Arsenic	1.7J	mg/kg	2.6	08/26/22 16:54	
EPA 6010D	Barium	75.2	mg/kg	0.51	08/26/22 16:54	
EPA 6010D	Cadmium	0.19J	mg/kg	0.51	08/26/22 16:54	
EPA 6010D	Chromium	19.9	mg/kg	1.0	08/26/22 16:54	
EPA 6010D	Lead	7.7	mg/kg	2.1	08/26/22 16:54	
EPA 7471	Mercury	0.020J	mg/kg	0.036	08/26/22 08:10	
EPA 8270E by SIM	Acenaphthylene	4.9J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Anthracene	7.6J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Benzo(a)anthracene	37.7	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Benzo(a)pyrene	60.9	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Benzo(b)fluoranthene	95.1	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Benzo(g,h,i)perylene	46.5	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Benzo(k)fluoranthene	35.1	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Chrysene	67.2	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Dibenz(a,h)anthracene	11.3J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Fluoranthene	93.4	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Fluorene	2.9J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	32.2	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	2-Methylnaphthalene	3.8J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Naphthalene	2.6J	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Phenanthrene	32.9	ug/kg	18.7	08/26/22 18:44	
EPA 8270E by SIM	Pyrene	75.5	ug/kg	18.7	08/26/22 18:44	
ASTM D2974-87	Percent Moisture	10.6	%	0.10	08/25/22 11:53	
<b>40250229017</b>	<b>PB-8 (3'-4')</b>					
EPA 6010D	Arsenic	2.8	mg/kg	2.8	08/26/22 16:56	
EPA 6010D	Barium	83.3	mg/kg	0.56	08/26/22 16:56	
EPA 6010D	Cadmium	0.22J	mg/kg	0.56	08/26/22 16:56	
EPA 6010D	Chromium	26.7	mg/kg	1.1	08/26/22 16:56	
EPA 6010D	Lead	22.7	mg/kg	2.2	08/26/22 16:56	
EPA 7471	Mercury	0.057	mg/kg	0.042	08/26/22 08:17	B
EPA 8270E by SIM	Acenaphthene	37.1J	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Anthracene	131J	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Benzo(a)anthracene	658	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Benzo(a)pyrene	940	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Benzo(b)fluoranthene	1390	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Benzo(g,h,i)perylene	614	ug/kg	202	08/26/22 19:01	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229017</b>	<b>PB-8 (3'-4')</b>					
EPA 8270E by SIM	Benzo(k)fluoranthene	593	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Chrysene	1010	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Dibenz(a,h)anthracene	165J	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Fluoranthene	1900	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Fluorene	40.8J	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	514	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Phenanthrene	812	ug/kg	202	08/26/22 19:01	
EPA 8270E by SIM	Pyrene	1600	ug/kg	202	08/26/22 19:01	
ASTM D2974-87	Percent Moisture	17.2	%	0.10	08/25/22 11:53	
<b>40250229018</b>	<b>PB-9 (1'-2')</b>					
EPA 6010D	Arsenic	2.9	mg/kg	2.7	08/26/22 16:58	
EPA 6010D	Barium	68.8	mg/kg	0.53	08/26/22 16:58	
EPA 6010D	Cadmium	0.91	mg/kg	0.53	08/26/22 16:58	
EPA 6010D	Chromium	18.4	mg/kg	1.1	08/26/22 16:58	
EPA 6010D	Lead	141	mg/kg	2.1	08/26/22 16:58	
EPA 7471	Mercury	0.11	mg/kg	0.037	08/26/22 08:24	B
EPA 8270E by SIM	Acenaphthene	51.1J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Anthracene	135	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Benzo(a)anthracene	361	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Benzo(a)pyrene	470	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Benzo(b)fluoranthene	652	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Benzo(g,h,i)perylene	252	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Benzo(k)fluoranthene	282	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Chrysene	503	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Dibenz(a,h)anthracene	74.3J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Fluoranthene	960	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Fluorene	48.0J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	217	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	1-Methylnaphthalene	21.4J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	2-Methylnaphthalene	28.0J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Naphthalene	39.4J	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Phenanthrene	617	ug/kg	95.0	08/26/22 19:18	
EPA 8270E by SIM	Pyrene	903	ug/kg	95.0	08/26/22 19:18	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	08/25/22 11:54	
<b>40250229019</b>	<b>PB-9 (2'-3')</b>					
EPA 6010D	Arsenic	3.4	mg/kg	2.8	08/26/22 17:01	
EPA 6010D	Barium	67.0	mg/kg	0.56	08/26/22 17:01	
EPA 6010D	Cadmium	0.17J	mg/kg	0.56	08/26/22 17:01	
EPA 6010D	Chromium	28.1	mg/kg	1.1	08/26/22 17:01	
EPA 6010D	Lead	9.9	mg/kg	2.3	08/26/22 17:01	
EPA 7471	Mercury	0.14	mg/kg	0.040	08/26/22 08:35	B
EPA 8270E by SIM	Benzo(a)anthracene	2.8J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Benzo(a)pyrene	3.1J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Benzo(b)fluoranthene	5.7J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Benzo(g,h,i)perylene	3.8J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Benzo(k)fluoranthene	3.2J	ug/kg	19.7	08/26/22 17:18	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229019</b>	<b>PB-9 (2'-3')</b>					
EPA 8270E by SIM	Chrysene	5.2J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Fluoranthene	4.2J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Phenanthrene	2.8J	ug/kg	19.7	08/26/22 17:18	
EPA 8270E by SIM	Pyrene	3.9J	ug/kg	19.7	08/26/22 17:18	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	08/25/22 11:54	
<b>40250229020</b>	<b>PB-10 (2'-3')</b>					
EPA 6010D	Arsenic	2.0J	mg/kg	2.8	08/26/22 17:03	
EPA 6010D	Barium	72.6	mg/kg	0.56	08/26/22 17:03	
EPA 6010D	Cadmium	0.19J	mg/kg	0.56	08/26/22 17:03	
EPA 6010D	Chromium	28.4	mg/kg	1.1	08/26/22 17:03	
EPA 6010D	Lead	8.9	mg/kg	2.2	08/26/22 17:03	
EPA 7471	Mercury	0.036J	mg/kg	0.037	08/26/22 08:38	B
EPA 8270E by SIM	Acenaphthylene	4.9J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Anthracene	7.3J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Benzo(a)anthracene	28.2	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Benzo(a)pyrene	34.1	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Benzo(b)fluoranthene	45.3	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Benzo(g,h,i)perylene	28.6	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Benzo(k)fluoranthene	19.9	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Chrysene	38.5	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Dibenz(a,h)anthracene	7.8J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Fluoranthene	60.9	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Fluorene	3.0J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	20.1	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	1-Methylnaphthalene	6.0J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	2-Methylnaphthalene	9.2J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Naphthalene	4.7J	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Phenanthrene	28.8	ug/kg	19.3	08/29/22 17:28	
EPA 8270E by SIM	Pyrene	50.0	ug/kg	19.3	08/29/22 17:28	
ASTM D2974-87	Percent Moisture	13.8	%	0.10	08/25/22 11:54	
<b>40250229021</b>	<b>PB-10 (3'-4')</b>					
EPA 6010D	Arsenic	2.6	mg/kg	2.6	08/26/22 17:06	
EPA 6010D	Barium	61.6	mg/kg	0.51	08/26/22 17:06	
EPA 6010D	Cadmium	1.1	mg/kg	0.51	08/26/22 17:06	
EPA 6010D	Chromium	15.2	mg/kg	1.0	08/26/22 17:06	
EPA 6010D	Lead	200	mg/kg	2.1	08/26/22 17:06	
EPA 7471	Mercury	0.093	mg/kg	0.035	08/26/22 08:40	B
EPA 8270E by SIM	Acenaphthene	1310J	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Anthracene	4390	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Benzo(a)anthracene	14300	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Benzo(a)pyrene	17700	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Benzo(b)fluoranthene	24800	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Benzo(g,h,i)perylene	13000	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Benzo(k)fluoranthene	10400	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Chrysene	20500	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Dibenz(a,h)anthracene	3550	ug/kg	3150	08/29/22 18:20	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40250229021</b>	<b>PB-10 (3'-4')</b>					
EPA 8270E by SIM	Fluoranthene	41500	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Fluorene	1590J	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	10700	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Phenanthrene	20500	ug/kg	3150	08/29/22 18:20	
EPA 8270E by SIM	Pyrene	32100	ug/kg	3150	08/29/22 18:20	
EPA 8260	Benzene	343	ug/kg	23.1	08/26/22 19:55	
EPA 8260	Ethylbenzene	88.3	ug/kg	57.8	08/26/22 19:55	
EPA 8260	Isopropylbenzene (Cumene)	31.4J	ug/kg	57.8	08/26/22 19:55	
EPA 8260	Naphthalene	435	ug/kg	289	08/26/22 19:55	
EPA 8260	n-Propylbenzene	42.3J	ug/kg	57.8	08/26/22 19:55	
EPA 8260	Toluene	1100	ug/kg	57.8	08/26/22 19:55	
EPA 8260	1,2,4-Trimethylbenzene	202	ug/kg	57.8	08/26/22 19:55	
EPA 8260	1,3,5-Trimethylbenzene	42.9J	ug/kg	57.8	08/26/22 19:55	
EPA 8260	Xylene (Total)	854	ug/kg	173	08/26/22 19:55	
EPA 8260	m&p-Xylene	556	ug/kg	116	08/26/22 19:55	
EPA 8260	o-Xylene	298	ug/kg	57.8	08/26/22 19:55	
ASTM D2974-87	Percent Moisture	7.2	%	0.10	08/25/22 11:54	
<b>40250229022</b>	<b>PB-11 (1'-2')</b>					
EPA 6010D	Arsenic	3.4J	mg/kg	5.3	08/30/22 17:33	D3
EPA 6010D	Barium	38.7	mg/kg	1.1	08/30/22 17:33	
EPA 6010D	Chromium	13.6	mg/kg	2.1	08/30/22 17:33	
EPA 6010D	Lead	26.0	mg/kg	4.2	08/30/22 17:33	
EPA 7471	Mercury	0.080	mg/kg	0.036	08/26/22 08:42	B
EPA 8270E by SIM	Acenaphthene	19.8J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Acenaphthylene	14.3J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Anthracene	96.1	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Benzo(a)anthracene	292	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Benzo(a)pyrene	350	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Benzo(b)fluoranthene	502	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Benzo(g,h,i)perylene	234	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Benzo(k)fluoranthene	171	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Chrysene	388	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Dibenz(a,h)anthracene	66.9J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Fluoranthene	743	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Fluorene	22.0J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	191	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	1-Methylnaphthalene	63.4J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	2-Methylnaphthalene	72.6J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Naphthalene	55.5J	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Phenanthrene	388	ug/kg	75.3	08/29/22 20:56	
EPA 8270E by SIM	Pyrene	621	ug/kg	75.3	08/29/22 20:56	
EPA 8260	Benzene	33.6	ug/kg	25.2	08/29/22 11:50	
EPA 8260	Ethylbenzene	34.9J	ug/kg	62.9	08/29/22 11:50	
EPA 8260	Naphthalene	66.3J	ug/kg	315	08/29/22 11:50	
EPA 8260	n-Propylbenzene	25.7J	ug/kg	62.9	08/29/22 11:50	
EPA 8260	Toluene	227	ug/kg	62.9	08/29/22 11:50	
EPA 8260	1,2,4-Trimethylbenzene	27.6J	ug/kg	62.9	08/29/22 11:50	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229022</b>	<b>PB-11 (1'-2')</b>					
EPA 8260	Xylene (Total)	144J	ug/kg	189	08/29/22 11:50	
EPA 8260	m&p-Xylene	81.2J	ug/kg	126	08/29/22 11:50	
EPA 8260	o-Xylene	63.0	ug/kg	62.9	08/29/22 11:50	
ASTM D2974-87	Percent Moisture	11.5	%	0.10	08/25/22 11:54	
<b>40250229023</b>	<b>PB-11 (2'-3')</b>					
EPA 6010D	Arsenic	2.1J	mg/kg	2.8	08/29/22 21:32	
EPA 6010D	Barium	51.1	mg/kg	0.55	08/29/22 21:32	
EPA 6010D	Cadmium	0.25J	mg/kg	0.55	08/29/22 21:32	
EPA 6010D	Chromium	18.3	mg/kg	1.1	08/29/22 21:32	
EPA 6010D	Lead	25.2	mg/kg	2.2	08/29/22 21:32	
EPA 7471	Mercury	0.15	mg/kg	0.036	08/26/22 08:45	
EPA 8270E by SIM	Acenaphthene	35.8J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Acenaphthylene	17.3J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Anthracene	110	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Benzo(a)anthracene	237	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Benzo(a)pyrene	250	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Benzo(b)fluoranthene	313	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Benzo(g,h,i)perylene	146	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Benzo(k)fluoranthene	133	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Chrysene	305	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Dibenz(a,h)anthracene	43.0J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Fluoranthene	590	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Fluorene	32.9J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	117	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	1-Methylnaphthalene	44.8J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	2-Methylnaphthalene	52.1J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Naphthalene	40.5J	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Phenanthrene	434	ug/kg	76.1	08/29/22 21:13	
EPA 8270E by SIM	Pyrene	513	ug/kg	76.1	08/29/22 21:13	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	08/25/22 12:35	
<b>40250229024</b>	<b>PB-12 (1'-2')</b>					
EPA 6010D	Arsenic	6.4	mg/kg	5.3	08/30/22 17:35	
EPA 6010D	Barium	74.8	mg/kg	1.1	08/30/22 17:35	
EPA 6010D	Cadmium	1.6	mg/kg	1.1	08/30/22 17:35	
EPA 6010D	Chromium	21.9	mg/kg	2.1	08/30/22 17:35	
EPA 6010D	Lead	236	mg/kg	4.3	08/30/22 17:35	
EPA 7471	Mercury	0.13	mg/kg	0.036	08/26/22 08:47	B
EPA 8270E by SIM	Acenaphthene	82.0J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Anthracene	264J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Benzo(a)anthracene	634	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Benzo(a)pyrene	881	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Benzo(b)fluoranthene	1150	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Benzo(g,h,i)perylene	537	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Benzo(k)fluoranthene	516	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Chrysene	1090	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Dibenz(a,h)anthracene	147J	ug/kg	358	08/29/22 21:30	

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229024</b>	<b>PB-12 (1'-2')</b>					
EPA 8270E by SIM	Fluoranthene	1950	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Fluorene	75.8J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	441	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	1-Methylnaphthalene	83.5J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	2-Methylnaphthalene	98.5J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Naphthalene	97.5J	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Phenanthrene	1130	ug/kg	358	08/29/22 21:30	
EPA 8270E by SIM	Pyrene	1660	ug/kg	358	08/29/22 21:30	
ASTM D2974-87	Percent Moisture	6.7	%	0.10	08/25/22 12:35	
<b>40250229025</b>	<b>PB-12 (3'-4')</b>					
EPA 6010D	Barium	19.7	mg/kg	1.1	08/30/22 17:38	
EPA 6010D	Chromium	7.4	mg/kg	2.1	08/30/22 17:38	
EPA 6010D	Lead	14.0	mg/kg	4.3	08/30/22 17:38	
EPA 7471	Mercury	0.023J	mg/kg	0.038	08/26/22 08:49	B
EPA 8270E by SIM	Acenaphthylene	2.6J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Anthracene	2.4J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Benzo(a)anthracene	6.1J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Benzo(a)pyrene	8.9J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Benzo(b)fluoranthene	12.0J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Benzo(g,h,i)perylene	8.1J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Benzo(k)fluoranthene	5.5J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Chrysene	10.6J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Fluoranthene	12.4J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	4.9J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	1-Methylnaphthalene	3.7J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	2-Methylnaphthalene	4.8J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Naphthalene	6.0J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Phenanthrene	9.1J	ug/kg	18.5	08/29/22 18:37	
EPA 8270E by SIM	Pyrene	18.4J	ug/kg	18.5	08/29/22 18:37	
ASTM D2974-87	Percent Moisture	10.0	%	0.10	08/25/22 12:35	
<b>40250229026</b>	<b>PB-13 (1'-2')</b>					
EPA 6010D	Arsenic	2.4J	mg/kg	2.6	08/29/22 21:44	
EPA 6010D	Barium	60.7	mg/kg	0.52	08/29/22 21:44	
EPA 6010D	Cadmium	0.25J	mg/kg	0.52	08/29/22 21:44	
EPA 6010D	Chromium	18.8	mg/kg	1.0	08/29/22 21:44	
EPA 6010D	Lead	24.3	mg/kg	2.1	08/29/22 21:44	
EPA 6010D	Silver	0.34J	mg/kg	1.0	08/29/22 21:44	
EPA 7471	Mercury	0.057	mg/kg	0.035	08/26/22 08:51	B
EPA 8270E by SIM	Acenaphthylene	686	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Anthracene	1220	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Benzo(a)anthracene	2470	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Benzo(a)pyrene	2360	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Benzo(b)fluoranthene	2570	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Benzo(g,h,i)perylene	1170	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Benzo(k)fluoranthene	1070	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Chrysene	2450	ug/kg	367	08/29/22 21:47	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229026</b>	<b>PB-13 (1'-2')</b>					
EPA 8270E by SIM	Dibenz(a,h)anthracene	298J	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Fluoranthene	6100	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Fluorene	244J	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	974	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	1-Methylnaphthalene	65.4J	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	2-Methylnaphthalene	148J	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Naphthalene	298J	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Phenanthrene	2260	ug/kg	367	08/29/22 21:47	
EPA 8270E by SIM	Pyrene	5800	ug/kg	367	08/29/22 21:47	
ASTM D2974-87	Percent Moisture	9.0	%	0.10	08/25/22 12:35	
<b>40250229027</b>	<b>PB-13 (3'-4')</b>					
EPA 6010D	Arsenic	2.1J	mg/kg	2.7	08/29/22 21:47	
EPA 6010D	Barium	54.1	mg/kg	0.53	08/29/22 21:47	
EPA 6010D	Cadmium	0.32J	mg/kg	0.53	08/29/22 21:47	
EPA 6010D	Chromium	18.0	mg/kg	1.1	08/29/22 21:47	
EPA 6010D	Lead	24.5	mg/kg	2.1	08/29/22 21:47	
EPA 6010D	Silver	0.41J	mg/kg	1.1	08/29/22 21:47	
EPA 7471	Mercury	0.075	mg/kg	0.038	08/26/22 08:54	B
EPA 8270E by SIM	Acenaphthene	8.4J	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Acenaphthylene	25.3	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Anthracene	40.8	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Benzo(a)anthracene	224	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Benzo(a)pyrene	172	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Benzo(b)fluoranthene	488	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Benzo(g,h,i)perylene	95.7	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Benzo(k)fluoranthene	222	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Chrysene	283	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Dibenz(a,h)anthracene	21.3	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Fluoranthene	407	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Fluorene	10.9J	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	90.4	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	1-Methylnaphthalene	79.7	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	2-Methylnaphthalene	112	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Naphthalene	76.7	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Phenanthrene	155	ug/kg	18.6	08/30/22 17:27	
EPA 8270E by SIM	Pyrene	414	ug/kg	18.6	08/30/22 17:27	
ASTM D2974-87	Percent Moisture	10.3	%	0.10	08/25/22 12:35	
<b>40250229028</b>	<b>PB-14 (1'-2')</b>					
EPA 6010D	Arsenic	2.9	mg/kg	2.8	08/26/22 18:12	
EPA 6010D	Barium	49.3	mg/kg	0.56	08/26/22 18:12	
EPA 6010D	Cadmium	0.55J	mg/kg	0.56	08/26/22 18:12	
EPA 6010D	Chromium	10.1	mg/kg	1.1	08/26/22 18:12	
EPA 6010D	Lead	113	mg/kg	2.2	08/26/22 18:12	
EPA 7471	Mercury	0.084	mg/kg	0.039	08/26/22 08:56	B
EPA 8270E by SIM	Acenaphthene	48.7	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Acenaphthylene	35.1J	ug/kg	39.6	08/31/22 18:56	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229028</b>	<b>PB-14 (1'-2')</b>					
EPA 8270E by SIM	Anthracene	128	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Benzo(a)anthracene	267	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Benzo(a)pyrene	246	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Benzo(b)fluoranthene	347	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Benzo(g,h,i)perylene	167	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Benzo(k)fluoranthene	107	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Chrysene	284	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Dibenz(a,h)anthracene	52.0	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Fluoranthene	575	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Fluorene	59.0	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	131	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	1-Methylnaphthalene	149	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	2-Methylnaphthalene	188	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Naphthalene	156	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Phenanthrene	520	ug/kg	39.6	08/31/22 18:56	
EPA 8270E by SIM	Pyrene	439	ug/kg	39.6	08/31/22 18:56	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	08/25/22 12:35	
<b>40250229029</b>	<b>PB-14 (3'-4')</b>					
EPA 6010D	Arsenic	1.5J	mg/kg	2.5	08/26/22 18:14	
EPA 6010D	Barium	50.1	mg/kg	0.50	08/26/22 18:14	
EPA 6010D	Cadmium	0.18J	mg/kg	0.50	08/26/22 18:14	
EPA 6010D	Chromium	10.4	mg/kg	1.0	08/26/22 18:14	
EPA 6010D	Lead	31.0	mg/kg	2.0	08/26/22 18:14	
EPA 7471	Mercury	0.052	mg/kg	0.038	08/26/22 09:03	B
EPA 8270E by SIM	Acenaphthene	24.9	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Acenaphthylene	28.2	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Anthracene	56.0	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Benzo(a)anthracene	208	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Benzo(a)pyrene	229	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Benzo(b)fluoranthene	340	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Benzo(g,h,i)perylene	98.0	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Benzo(k)fluoranthene	133	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Chrysene	221	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Dibenz(a,h)anthracene	23.5	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Fluoranthene	384	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Fluorene	21.3	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	82.0	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	1-Methylnaphthalene	73.8	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	2-Methylnaphthalene	98.2	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Naphthalene	84.5	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Phenanthrene	199	ug/kg	18.4	08/30/22 17:44	
EPA 8270E by SIM	Pyrene	369	ug/kg	18.4	08/30/22 17:44	
EPA 8260	Naphthalene	69.7J	ug/kg	306	08/29/22 12:49	
EPA 8260	1,2,4-Trimethylbenzene	25.3J	ug/kg	61.2	08/29/22 12:49	
EPA 8260	m&p-Xylene	41.7J	ug/kg	122	08/29/22 12:49	
ASTM D2974-87	Percent Moisture	9.2	%	0.10	08/25/22 12:35	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40250229030</b>	<b>PB-15 (1'-2')</b>					
EPA 6010D	Arsenic	3.8	mg/kg	2.7	08/26/22 18:17	
EPA 6010D	Barium	80.4	mg/kg	0.54	08/26/22 18:17	
EPA 6010D	Chromium	9.6	mg/kg	1.1	08/26/22 18:17	
EPA 6010D	Lead	84.7	mg/kg	2.2	08/26/22 18:17	
EPA 6010D	Selenium	2.4J	mg/kg	4.3	08/26/22 18:17	
EPA 7471	Mercury	0.050	mg/kg	0.040	08/26/22 09:05	B
ASTM D2974-87	Percent Moisture	15.4	%	0.10	08/25/22 12:35	
<b>40250229031</b>	<b>PB-15 (4'-5')</b>					
EPA 6010D	Barium	32.9	mg/kg	0.59	08/26/22 18:19	
EPA 6010D	Chromium	11.4	mg/kg	1.2	08/26/22 18:19	
EPA 6010D	Lead	39.3	mg/kg	2.4	08/26/22 18:19	
EPA 7471	Mercury	0.055	mg/kg	0.038	08/26/22 09:08	B
ASTM D2974-87	Percent Moisture	18.3	%	0.10	08/25/22 12:36	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-1 (1'-2')**      **Lab ID: 40250229001**      Collected: 08/19/22 11:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>1.8J</b>	mg/kg	2.7	1.6	1	08/25/22 06:01	08/26/22 15:58	7440-38-2	
Barium	<b>53.1</b>	mg/kg	0.55	0.16	1	08/25/22 06:01	08/26/22 15:58	7440-39-3	M0,R1
Cadmium	<b>0.58</b>	mg/kg	0.55	0.15	1	08/25/22 06:01	08/26/22 15:58	7440-43-9	
Chromium	<b>11.4</b>	mg/kg	1.1	0.30	1	08/25/22 06:01	08/26/22 15:58	7440-47-3	
Lead	<b>270</b>	mg/kg	21.9	6.6	10	08/25/22 06:01	08/29/22 17:28	7439-92-1	P6,R1
Selenium	<b>&lt;1.4</b>	mg/kg	4.4	1.4	1	08/25/22 06:01	08/26/22 15:58	7782-49-2	
Silver	<b>&lt;0.34</b>	mg/kg	1.1	0.34	1	08/25/22 06:01	08/26/22 15:58	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.12</b>	mg/kg	0.038	0.011	1	08/25/22 08:19	08/26/22 07:29	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>909</b>	ug/kg	369	47.8	20	08/26/22 07:47	08/26/22 11:19	83-32-9	
Acenaphthylene	<b>598</b>	ug/kg	369	46.5	20	08/26/22 07:47	08/26/22 11:19	208-96-8	
Anthracene	<b>3530</b>	ug/kg	369	45.7	20	08/26/22 07:47	08/26/22 11:19	120-12-7	
Benzo(a)anthracene	<b>6230</b>	ug/kg	369	47.6	20	08/26/22 07:47	08/26/22 11:19	56-55-3	
Benzo(a)pyrene	<b>6670</b>	ug/kg	369	41.9	20	08/26/22 07:47	08/26/22 11:19	50-32-8	
Benzo(b)fluoranthene	<b>7390</b>	ug/kg	369	51.2	20	08/26/22 07:47	08/26/22 11:19	205-99-2	
Benzo(g,h,i)perylene	<b>4200</b>	ug/kg	369	64.7	20	08/26/22 07:47	08/26/22 11:19	191-24-2	
Benzo(k)fluoranthene	<b>3160</b>	ug/kg	369	47.1	20	08/26/22 07:47	08/26/22 11:19	207-08-9	
Chrysene	<b>6810</b>	ug/kg	369	69.5	20	08/26/22 07:47	08/26/22 11:19	218-01-9	
Dibenz(a,h)anthracene	<b>757</b>	ug/kg	369	51.0	20	08/26/22 07:47	08/26/22 11:19	53-70-3	
Fluoranthene	<b>17200</b>	ug/kg	369	43.6	20	08/26/22 07:47	08/26/22 11:19	206-44-0	
Fluorene	<b>1600</b>	ug/kg	369	44.2	20	08/26/22 07:47	08/26/22 11:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>3310</b>	ug/kg	369	76.8	20	08/26/22 07:47	08/26/22 11:19	193-39-5	
1-Methylnaphthalene	<b>239J</b>	ug/kg	369	53.8	20	08/26/22 07:47	08/26/22 11:19	90-12-0	
2-Methylnaphthalene	<b>313J</b>	ug/kg	369	53.9	20	08/26/22 07:47	08/26/22 11:19	91-57-6	
Naphthalene	<b>758</b>	ug/kg	369	35.9	20	08/26/22 07:47	08/26/22 11:19	91-20-3	
Phenanthrene	<b>13500</b>	ug/kg	369	42.2	20	08/26/22 07:47	08/26/22 11:19	85-01-8	
Pyrene	<b>14900</b>	ug/kg	369	54.2	20	08/26/22 07:47	08/26/22 11:19	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	51	%	41-98		20	08/26/22 07:47	08/26/22 11:19	321-60-8	
Terphenyl-d14 (S)	60	%	37-106		20	08/26/22 07:47	08/26/22 11:19	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;14.3</b>	ug/kg	24.1	14.3	1	08/25/22 08:00	08/25/22 19:17	71-43-2	
Bromobenzene	<b>&lt;23.5</b>	ug/kg	60.3	23.5	1	08/25/22 08:00	08/25/22 19:17	108-86-1	
Bromochloromethane	<b>&lt;16.5</b>	ug/kg	60.3	16.5	1	08/25/22 08:00	08/25/22 19:17	74-97-5	
Bromodichloromethane	<b>&lt;14.3</b>	ug/kg	60.3	14.3	1	08/25/22 08:00	08/25/22 19:17	75-27-4	
Bromoform	<b>&lt;265</b>	ug/kg	301	265	1	08/25/22 08:00	08/25/22 19:17	75-25-2	
Bromomethane	<b>&lt;84.5</b>	ug/kg	301	84.5	1	08/25/22 08:00	08/25/22 19:17	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-1 (1'-2') Lab ID: 40250229001 Collected: 08/19/22 11:40 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<27.6	ug/kg	60.3	27.6	1	08/25/22 08:00	08/25/22 19:17	104-51-8	
sec-Butylbenzene	<14.7	ug/kg	60.3	14.7	1	08/25/22 08:00	08/25/22 19:17	135-98-8	
tert-Butylbenzene	<18.9	ug/kg	60.3	18.9	1	08/25/22 08:00	08/25/22 19:17	98-06-6	
Carbon tetrachloride	<13.3	ug/kg	60.3	13.3	1	08/25/22 08:00	08/25/22 19:17	56-23-5	
Chlorobenzene	<7.2	ug/kg	60.3	7.2	1	08/25/22 08:00	08/25/22 19:17	108-90-7	
Chloroethane	<25.4	ug/kg	301	25.4	1	08/25/22 08:00	08/25/22 19:17	75-00-3	
Chloroform	<43.2	ug/kg	301	43.2	1	08/25/22 08:00	08/25/22 19:17	67-66-3	
Chloromethane	<22.9	ug/kg	60.3	22.9	1	08/25/22 08:00	08/25/22 19:17	74-87-3	
2-Chlorotoluene	<19.5	ug/kg	60.3	19.5	1	08/25/22 08:00	08/25/22 19:17	95-49-8	
4-Chlorotoluene	<22.9	ug/kg	60.3	22.9	1	08/25/22 08:00	08/25/22 19:17	106-43-4	
1,2-Dibromo-3-chloropropane	<46.8	ug/kg	301	46.8	1	08/25/22 08:00	08/25/22 19:17	96-12-8	
Dibromochloromethane	<206	ug/kg	301	206	1	08/25/22 08:00	08/25/22 19:17	124-48-1	
1,2-Dibromoethane (EDB)	<16.5	ug/kg	60.3	16.5	1	08/25/22 08:00	08/25/22 19:17	106-93-4	
Dibromomethane	<17.8	ug/kg	60.3	17.8	1	08/25/22 08:00	08/25/22 19:17	74-95-3	
1,2-Dichlorobenzene	<18.7	ug/kg	60.3	18.7	1	08/25/22 08:00	08/25/22 19:17	95-50-1	
1,3-Dichlorobenzene	<16.5	ug/kg	60.3	16.5	1	08/25/22 08:00	08/25/22 19:17	541-73-1	
1,4-Dichlorobenzene	<16.5	ug/kg	60.3	16.5	1	08/25/22 08:00	08/25/22 19:17	106-46-7	
Dichlorodifluoromethane	<25.9	ug/kg	60.3	25.9	1	08/25/22 08:00	08/25/22 19:17	75-71-8	
1,1-Dichloroethane	<15.4	ug/kg	60.3	15.4	1	08/25/22 08:00	08/25/22 19:17	75-34-3	
1,2-Dichloroethane	<13.9	ug/kg	60.3	13.9	1	08/25/22 08:00	08/25/22 19:17	107-06-2	
1,1-Dichloroethene	<20.0	ug/kg	60.3	20.0	1	08/25/22 08:00	08/25/22 19:17	75-35-4	
cis-1,2-Dichloroethene	<12.9	ug/kg	60.3	12.9	1	08/25/22 08:00	08/25/22 19:17	156-59-2	
trans-1,2-Dichloroethene	<13.0	ug/kg	60.3	13.0	1	08/25/22 08:00	08/25/22 19:17	156-60-5	
1,2-Dichloropropane	<14.3	ug/kg	60.3	14.3	1	08/25/22 08:00	08/25/22 19:17	78-87-5	
1,3-Dichloropropane	<13.1	ug/kg	60.3	13.1	1	08/25/22 08:00	08/25/22 19:17	142-28-9	
2,2-Dichloropropane	<16.3	ug/kg	60.3	16.3	1	08/25/22 08:00	08/25/22 19:17	594-20-7	
1,1-Dichloropropene	<19.5	ug/kg	60.3	19.5	1	08/25/22 08:00	08/25/22 19:17	563-58-6	
cis-1,3-Dichloropropene	<39.8	ug/kg	301	39.8	1	08/25/22 08:00	08/25/22 19:17	10061-01-5	
trans-1,3-Dichloropropene	<172	ug/kg	301	172	1	08/25/22 08:00	08/25/22 19:17	10061-02-6	
Diisopropyl ether	<15.0	ug/kg	60.3	15.0	1	08/25/22 08:00	08/25/22 19:17	108-20-3	
Ethylbenzene	<14.3	ug/kg	60.3	14.3	1	08/25/22 08:00	08/25/22 19:17	100-41-4	
Hexachloro-1,3-butadiene	<120	ug/kg	301	120	1	08/25/22 08:00	08/25/22 19:17	87-68-3	
Isopropylbenzene (Cumene)	<16.3	ug/kg	60.3	16.3	1	08/25/22 08:00	08/25/22 19:17	98-82-8	
p-Isopropyltoluene	<18.3	ug/kg	60.3	18.3	1	08/25/22 08:00	08/25/22 19:17	99-87-6	
Methylene Chloride	<16.8	ug/kg	60.3	16.8	1	08/25/22 08:00	08/25/22 19:17	75-09-2	
Methyl-tert-butyl ether	<17.7	ug/kg	60.3	17.7	1	08/25/22 08:00	08/25/22 19:17	1634-04-4	
Naphthalene	38.7J	ug/kg	301	18.8	1	08/25/22 08:00	08/25/22 19:17	91-20-3	
n-Propylbenzene	<14.5	ug/kg	60.3	14.5	1	08/25/22 08:00	08/25/22 19:17	103-65-1	
Styrene	<15.4	ug/kg	60.3	15.4	1	08/25/22 08:00	08/25/22 19:17	100-42-5	
1,1,1,2-Tetrachloroethane	<14.5	ug/kg	60.3	14.5	1	08/25/22 08:00	08/25/22 19:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	<21.8	ug/kg	60.3	21.8	1	08/25/22 08:00	08/25/22 19:17	79-34-5	
Tetrachloroethene	<23.4	ug/kg	60.3	23.4	1	08/25/22 08:00	08/25/22 19:17	127-18-4	
Toluene	17.7J	ug/kg	60.3	15.2	1	08/25/22 08:00	08/25/22 19:17	108-88-3	
1,2,3-Trichlorobenzene	<67.2	ug/kg	301	67.2	1	08/25/22 08:00	08/25/22 19:17	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-1 (1'-2')**      **Lab ID: 40250229001**      Collected: 08/19/22 11:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<49.7	ug/kg	301	49.7	1	08/25/22 08:00	08/25/22 19:17	120-82-1	
1,1,1-Trichloroethane	<15.4	ug/kg	60.3	15.4	1	08/25/22 08:00	08/25/22 19:17	71-55-6	
1,1,2-Trichloroethane	<21.9	ug/kg	60.3	21.9	1	08/25/22 08:00	08/25/22 19:17	79-00-5	
Trichloroethene	<22.5	ug/kg	60.3	22.5	1	08/25/22 08:00	08/25/22 19:17	79-01-6	
Trichlorofluoromethane	<17.5	ug/kg	60.3	17.5	1	08/25/22 08:00	08/25/22 19:17	75-69-4	
1,2,3-Trichloropropane	<29.3	ug/kg	60.3	29.3	1	08/25/22 08:00	08/25/22 19:17	96-18-4	
1,2,4-Trimethylbenzene	<18.0	ug/kg	60.3	18.0	1	08/25/22 08:00	08/25/22 19:17	95-63-6	
1,3,5-Trimethylbenzene	<19.4	ug/kg	60.3	19.4	1	08/25/22 08:00	08/25/22 19:17	108-67-8	
Vinyl chloride	<12.2	ug/kg	60.3	12.2	1	08/25/22 08:00	08/25/22 19:17	75-01-4	
Xylene (Total)	<43.5	ug/kg	181	43.5	1	08/25/22 08:00	08/25/22 19:17	1330-20-7	
m&p-Xylene	<25.4	ug/kg	121	25.4	1	08/25/22 08:00	08/25/22 19:17	179601-23-1	
o-Xylene	<18.1	ug/kg	60.3	18.1	1	08/25/22 08:00	08/25/22 19:17	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	130	%	69-153		1	08/25/22 08:00	08/25/22 19:17	2037-26-5	
4-Bromofluorobenzene (S)	131	%	68-156		1	08/25/22 08:00	08/25/22 19:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	123	%	71-161		1	08/25/22 08:00	08/25/22 19:17	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.3	%	0.10	0.10	1		08/24/22 16:37		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-1 (3'-4')**      **Lab ID: 40250229002**      Collected: 08/19/22 11:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<15.9	mg/kg	27.1	15.9	10	08/25/22 06:01	08/29/22 17:38	7440-38-2	D3
Barium	53.4	mg/kg	5.4	1.6	10	08/25/22 06:01	08/29/22 17:38	7440-39-3	
Cadmium	<1.4	mg/kg	5.4	1.4	10	08/25/22 06:01	08/29/22 17:38	7440-43-9	D3
Chromium	10.9	mg/kg	10.8	3.0	10	08/25/22 06:01	08/29/22 17:38	7440-47-3	
Lead	24500	mg/kg	21.7	6.5	10	08/25/22 06:01	08/29/22 17:38	7439-92-1	
Selenium	<14.2	mg/kg	43.4	14.2	10	08/25/22 06:01	08/29/22 17:38	7782-49-2	D3
Silver	<3.3	mg/kg	10.8	3.3	10	08/25/22 06:01	08/29/22 17:38	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.093	mg/kg	0.036	0.010	1	08/25/22 08:19	08/26/22 07:36	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	196	ug/kg	74.4	9.7	4	08/26/22 07:47	08/26/22 20:10	83-32-9	
Acenaphthylene	28.0J	ug/kg	74.4	9.4	4	08/26/22 07:47	08/26/22 20:10	208-96-8	
Anthracene	211	ug/kg	74.4	9.2	4	08/26/22 07:47	08/26/22 20:10	120-12-7	
Benzo(a)anthracene	199	ug/kg	74.4	9.6	4	08/26/22 07:47	08/26/22 20:10	56-55-3	
Benzo(a)pyrene	195	ug/kg	74.4	8.5	4	08/26/22 07:47	08/26/22 20:10	50-32-8	
Benzo(b)fluoranthene	309	ug/kg	74.4	10.3	4	08/26/22 07:47	08/26/22 20:10	205-99-2	
Benzo(g,h,i)perylene	96.7	ug/kg	74.4	13.1	4	08/26/22 07:47	08/26/22 20:10	191-24-2	
Benzo(k)fluoranthene	96.5	ug/kg	74.4	9.5	4	08/26/22 07:47	08/26/22 20:10	207-08-9	
Chrysene	248	ug/kg	74.4	14.0	4	08/26/22 07:47	08/26/22 20:10	218-01-9	
Dibenz(a,h)anthracene	28.1J	ug/kg	74.4	10.3	4	08/26/22 07:47	08/26/22 20:10	53-70-3	
Fluoranthene	596	ug/kg	74.4	8.8	4	08/26/22 07:47	08/26/22 20:10	206-44-0	
Fluorene	161	ug/kg	74.4	8.9	4	08/26/22 07:47	08/26/22 20:10	86-73-7	
Indeno(1,2,3-cd)pyrene	80.4	ug/kg	74.4	15.5	4	08/26/22 07:47	08/26/22 20:10	193-39-5	
1-Methylnaphthalene	118	ug/kg	74.4	10.9	4	08/26/22 07:47	08/26/22 20:10	90-12-0	
2-Methylnaphthalene	144	ug/kg	74.4	10.9	4	08/26/22 07:47	08/26/22 20:10	91-57-6	
Naphthalene	241	ug/kg	74.4	7.2	4	08/26/22 07:47	08/26/22 20:10	91-20-3	
Phenanthrene	608	ug/kg	74.4	8.5	4	08/26/22 07:47	08/26/22 20:10	85-01-8	
Pyrene	483	ug/kg	74.4	10.9	4	08/26/22 07:47	08/26/22 20:10	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	46	%	41-98		4	08/26/22 07:47	08/26/22 20:10	321-60-8	
Terphenyl-d14 (S)	57	%	37-106		4	08/26/22 07:47	08/26/22 20:10	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<14.6	ug/kg	24.5	14.6	1	08/25/22 08:00	08/25/22 19:37	71-43-2	
Bromobenzene	<23.9	ug/kg	61.3	23.9	1	08/25/22 08:00	08/25/22 19:37	108-86-1	
Bromochloromethane	<16.8	ug/kg	61.3	16.8	1	08/25/22 08:00	08/25/22 19:37	74-97-5	
Bromodichloromethane	<14.6	ug/kg	61.3	14.6	1	08/25/22 08:00	08/25/22 19:37	75-27-4	
Bromoform	<270	ug/kg	307	270	1	08/25/22 08:00	08/25/22 19:37	75-25-2	
Bromomethane	<86.0	ug/kg	307	86.0	1	08/25/22 08:00	08/25/22 19:37	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-1 (3'-4') Lab ID: 40250229002 Collected: 08/19/22 11:50 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<28.1	ug/kg	61.3	28.1	1	08/25/22 08:00	08/25/22 19:37	104-51-8	
sec-Butylbenzene	<15.0	ug/kg	61.3	15.0	1	08/25/22 08:00	08/25/22 19:37	135-98-8	
tert-Butylbenzene	<19.3	ug/kg	61.3	19.3	1	08/25/22 08:00	08/25/22 19:37	98-06-6	
Carbon tetrachloride	<13.5	ug/kg	61.3	13.5	1	08/25/22 08:00	08/25/22 19:37	56-23-5	
Chlorobenzene	<7.3	ug/kg	61.3	7.3	1	08/25/22 08:00	08/25/22 19:37	108-90-7	
Chloroethane	<25.9	ug/kg	307	25.9	1	08/25/22 08:00	08/25/22 19:37	75-00-3	
Chloroform	<43.9	ug/kg	307	43.9	1	08/25/22 08:00	08/25/22 19:37	67-66-3	
Chloromethane	<23.3	ug/kg	61.3	23.3	1	08/25/22 08:00	08/25/22 19:37	74-87-3	
2-Chlorotoluene	<19.9	ug/kg	61.3	19.9	1	08/25/22 08:00	08/25/22 19:37	95-49-8	
4-Chlorotoluene	<23.3	ug/kg	61.3	23.3	1	08/25/22 08:00	08/25/22 19:37	106-43-4	
1,2-Dibromo-3-chloropropane	<47.6	ug/kg	307	47.6	1	08/25/22 08:00	08/25/22 19:37	96-12-8	
Dibromochloromethane	<210	ug/kg	307	210	1	08/25/22 08:00	08/25/22 19:37	124-48-1	
1,2-Dibromoethane (EDB)	<16.8	ug/kg	61.3	16.8	1	08/25/22 08:00	08/25/22 19:37	106-93-4	
Dibromomethane	<18.2	ug/kg	61.3	18.2	1	08/25/22 08:00	08/25/22 19:37	74-95-3	
1,2-Dichlorobenzene	<19.0	ug/kg	61.3	19.0	1	08/25/22 08:00	08/25/22 19:37	95-50-1	
1,3-Dichlorobenzene	<16.8	ug/kg	61.3	16.8	1	08/25/22 08:00	08/25/22 19:37	541-73-1	
1,4-Dichlorobenzene	<16.8	ug/kg	61.3	16.8	1	08/25/22 08:00	08/25/22 19:37	106-46-7	
Dichlorodifluoromethane	<26.4	ug/kg	61.3	26.4	1	08/25/22 08:00	08/25/22 19:37	75-71-8	
1,1-Dichloroethane	<15.7	ug/kg	61.3	15.7	1	08/25/22 08:00	08/25/22 19:37	75-34-3	
1,2-Dichloroethane	<14.1	ug/kg	61.3	14.1	1	08/25/22 08:00	08/25/22 19:37	107-06-2	
1,1-Dichloroethene	<20.4	ug/kg	61.3	20.4	1	08/25/22 08:00	08/25/22 19:37	75-35-4	
cis-1,2-Dichloroethene	<13.1	ug/kg	61.3	13.1	1	08/25/22 08:00	08/25/22 19:37	156-59-2	
trans-1,2-Dichloroethene	<13.2	ug/kg	61.3	13.2	1	08/25/22 08:00	08/25/22 19:37	156-60-5	
1,2-Dichloropropane	<14.6	ug/kg	61.3	14.6	1	08/25/22 08:00	08/25/22 19:37	78-87-5	
1,3-Dichloropropane	<13.4	ug/kg	61.3	13.4	1	08/25/22 08:00	08/25/22 19:37	142-28-9	
2,2-Dichloropropane	<16.6	ug/kg	61.3	16.6	1	08/25/22 08:00	08/25/22 19:37	594-20-7	
1,1-Dichloropropene	<19.9	ug/kg	61.3	19.9	1	08/25/22 08:00	08/25/22 19:37	563-58-6	
cis-1,3-Dichloropropene	<40.5	ug/kg	307	40.5	1	08/25/22 08:00	08/25/22 19:37	10061-01-5	
trans-1,3-Dichloropropene	<175	ug/kg	307	175	1	08/25/22 08:00	08/25/22 19:37	10061-02-6	
Diisopropyl ether	<15.2	ug/kg	61.3	15.2	1	08/25/22 08:00	08/25/22 19:37	108-20-3	
Ethylbenzene	59.2J	ug/kg	61.3	14.6	1	08/25/22 08:00	08/25/22 19:37	100-41-4	
Hexachloro-1,3-butadiene	<122	ug/kg	307	122	1	08/25/22 08:00	08/25/22 19:37	87-68-3	
Isopropylbenzene (Cumene)	39.3J	ug/kg	61.3	16.6	1	08/25/22 08:00	08/25/22 19:37	98-82-8	
p-Isopropyltoluene	<18.6	ug/kg	61.3	18.6	1	08/25/22 08:00	08/25/22 19:37	99-87-6	
Methylene Chloride	<17.0	ug/kg	61.3	17.0	1	08/25/22 08:00	08/25/22 19:37	75-09-2	
Methyl-tert-butyl ether	<18.0	ug/kg	61.3	18.0	1	08/25/22 08:00	08/25/22 19:37	1634-04-4	
Naphthalene	372	ug/kg	307	19.1	1	08/25/22 08:00	08/25/22 19:37	91-20-3	
n-Propylbenzene	50.1J	ug/kg	61.3	14.7	1	08/25/22 08:00	08/25/22 19:37	103-65-1	
Styrene	<15.7	ug/kg	61.3	15.7	1	08/25/22 08:00	08/25/22 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	<14.7	ug/kg	61.3	14.7	1	08/25/22 08:00	08/25/22 19:37	630-20-6	
1,1,1,2,2-Tetrachloroethane	<22.2	ug/kg	61.3	22.2	1	08/25/22 08:00	08/25/22 19:37	79-34-5	
Tetrachloroethene	<23.8	ug/kg	61.3	23.8	1	08/25/22 08:00	08/25/22 19:37	127-18-4	
Toluene	91.5	ug/kg	61.3	15.5	1	08/25/22 08:00	08/25/22 19:37	108-88-3	
1,2,3-Trichlorobenzene	<68.3	ug/kg	307	68.3	1	08/25/22 08:00	08/25/22 19:37	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-1 (3'-4')**      **Lab ID: 40250229002**      Collected: 08/19/22 11:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<50.5	ug/kg	307	50.5	1	08/25/22 08:00	08/25/22 19:37	120-82-1	
1,1,1-Trichloroethane	<15.7	ug/kg	61.3	15.7	1	08/25/22 08:00	08/25/22 19:37	71-55-6	
1,1,2-Trichloroethane	<22.3	ug/kg	61.3	22.3	1	08/25/22 08:00	08/25/22 19:37	79-00-5	
Trichloroethene	<22.9	ug/kg	61.3	22.9	1	08/25/22 08:00	08/25/22 19:37	79-01-6	
Trichlorofluoromethane	<17.8	ug/kg	61.3	17.8	1	08/25/22 08:00	08/25/22 19:37	75-69-4	
1,2,3-Trichloropropane	<29.8	ug/kg	61.3	29.8	1	08/25/22 08:00	08/25/22 19:37	96-18-4	
1,2,4-Trimethylbenzene	126	ug/kg	61.3	18.3	1	08/25/22 08:00	08/25/22 19:37	95-63-6	
1,3,5-Trimethylbenzene	68.6	ug/kg	61.3	19.7	1	08/25/22 08:00	08/25/22 19:37	108-67-8	
Vinyl chloride	<12.4	ug/kg	61.3	12.4	1	08/25/22 08:00	08/25/22 19:37	75-01-4	
Xylene (Total)	211	ug/kg	184	44.3	1	08/25/22 08:00	08/25/22 19:37	1330-20-7	
m&p-Xylene	117J	ug/kg	123	25.9	1	08/25/22 08:00	08/25/22 19:37	179601-23-1	
o-Xylene	93.8	ug/kg	61.3	18.4	1	08/25/22 08:00	08/25/22 19:37	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	127	%	69-153		1	08/25/22 08:00	08/25/22 19:37	2037-26-5	
4-Bromofluorobenzene (S)	136	%	68-156		1	08/25/22 08:00	08/25/22 19:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	71-161		1	08/25/22 08:00	08/25/22 19:37	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.2	%	0.10	0.10	1		08/24/22 16:37		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: TB-01**      **Lab ID: 40250229003**      Collected: 08/19/22 11:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<11.9	ug/kg	20.0	11.9	1	08/26/22 07:45	08/26/22 13:41	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	08/26/22 07:45	08/26/22 13:41	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	08/26/22 07:45	08/26/22 13:41	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	08/26/22 07:45	08/26/22 13:41	75-27-4	
Bromoform	<220	ug/kg	250	220	1	08/26/22 07:45	08/26/22 13:41	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	08/26/22 07:45	08/26/22 13:41	74-83-9	
n-Butylbenzene	<22.9	ug/kg	50.0	22.9	1	08/26/22 07:45	08/26/22 13:41	104-51-8	
sec-Butylbenzene	<12.2	ug/kg	50.0	12.2	1	08/26/22 07:45	08/26/22 13:41	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	08/26/22 07:45	08/26/22 13:41	98-06-6	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	08/26/22 07:45	08/26/22 13:41	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	08/26/22 07:45	08/26/22 13:41	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	08/26/22 07:45	08/26/22 13:41	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	08/26/22 07:45	08/26/22 13:41	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	08/26/22 07:45	08/26/22 13:41	74-87-3	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	08/26/22 07:45	08/26/22 13:41	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	08/26/22 07:45	08/26/22 13:41	106-43-4	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	08/26/22 07:45	08/26/22 13:41	96-12-8	
Dibromochloromethane	<171	ug/kg	250	171	1	08/26/22 07:45	08/26/22 13:41	124-48-1	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	08/26/22 07:45	08/26/22 13:41	106-93-4	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	08/26/22 07:45	08/26/22 13:41	74-95-3	
1,2-Dichlorobenzene	<15.5	ug/kg	50.0	15.5	1	08/26/22 07:45	08/26/22 13:41	95-50-1	
1,3-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	08/26/22 07:45	08/26/22 13:41	541-73-1	
1,4-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	08/26/22 07:45	08/26/22 13:41	106-46-7	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	08/26/22 07:45	08/26/22 13:41	75-71-8	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	08/26/22 07:45	08/26/22 13:41	75-34-3	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	08/26/22 07:45	08/26/22 13:41	107-06-2	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	08/26/22 07:45	08/26/22 13:41	75-35-4	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	08/26/22 07:45	08/26/22 13:41	156-59-2	
trans-1,2-Dichloroethene	<10.8	ug/kg	50.0	10.8	1	08/26/22 07:45	08/26/22 13:41	156-60-5	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	08/26/22 07:45	08/26/22 13:41	78-87-5	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	08/26/22 07:45	08/26/22 13:41	142-28-9	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	08/26/22 07:45	08/26/22 13:41	594-20-7	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	08/26/22 07:45	08/26/22 13:41	563-58-6	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	08/26/22 07:45	08/26/22 13:41	10061-01-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	08/26/22 07:45	08/26/22 13:41	10061-02-6	
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	08/26/22 07:45	08/26/22 13:41	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	08/26/22 07:45	08/26/22 13:41	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	08/26/22 07:45	08/26/22 13:41	87-68-3	
Isopropylbenzene (Cumene)	<13.5	ug/kg	50.0	13.5	1	08/26/22 07:45	08/26/22 13:41	98-82-8	
p-Isopropyltoluene	<15.2	ug/kg	50.0	15.2	1	08/26/22 07:45	08/26/22 13:41	99-87-6	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	08/26/22 07:45	08/26/22 13:41	75-09-2	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	08/26/22 07:45	08/26/22 13:41	1634-04-4	
Naphthalene	<15.6	ug/kg	250	15.6	1	08/26/22 07:45	08/26/22 13:41	91-20-3	
n-Propylbenzene	<12.0	ug/kg	50.0	12.0	1	08/26/22 07:45	08/26/22 13:41	103-65-1	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: TB-01**      **Lab ID: 40250229003**      Collected: 08/19/22 11:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
Styrene	<12.8	ug/kg	50.0	12.8	1	08/26/22 07:45	08/26/22 13:41	100-42-5	
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	08/26/22 07:45	08/26/22 13:41	630-20-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	08/26/22 07:45	08/26/22 13:41	79-34-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	08/26/22 07:45	08/26/22 13:41	127-18-4	
Toluene	<12.6	ug/kg	50.0	12.6	1	08/26/22 07:45	08/26/22 13:41	108-88-3	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	08/26/22 07:45	08/26/22 13:41	87-61-6	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	08/26/22 07:45	08/26/22 13:41	120-82-1	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	08/26/22 07:45	08/26/22 13:41	71-55-6	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	08/26/22 07:45	08/26/22 13:41	79-00-5	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	08/26/22 07:45	08/26/22 13:41	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	08/26/22 07:45	08/26/22 13:41	75-69-4	
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	08/26/22 07:45	08/26/22 13:41	96-18-4	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	08/26/22 07:45	08/26/22 13:41	95-63-6	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	08/26/22 07:45	08/26/22 13:41	108-67-8	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	08/26/22 07:45	08/26/22 13:41	75-01-4	
Xylene (Total)	<36.1	ug/kg	150	36.1	1	08/26/22 07:45	08/26/22 13:41	1330-20-7	
m&p-Xylene	<21.1	ug/kg	100	21.1	1	08/26/22 07:45	08/26/22 13:41	179601-23-1	
o-Xylene	<15.0	ug/kg	50.0	15.0	1	08/26/22 07:45	08/26/22 13:41	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	104	%	69-153		1	08/26/22 07:45	08/26/22 13:41	2037-26-5	
4-Bromofluorobenzene (S)	104	%	68-156		1	08/26/22 07:45	08/26/22 13:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	71-161		1	08/26/22 07:45	08/26/22 13:41	2199-69-1	

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-2 (1'-2')**      **Lab ID: 40250229004**      Collected: 08/19/22 11:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.5	mg/kg	2.6	1.5	1	08/25/22 06:01	08/26/22 16:17	7440-38-2	
Barium	44.0	mg/kg	0.52	0.16	1	08/25/22 06:01	08/26/22 16:17	7440-39-3	
Cadmium	1.0	mg/kg	0.52	0.14	1	08/25/22 06:01	08/26/22 16:17	7440-43-9	
Chromium	24.1	mg/kg	1.0	0.29	1	08/25/22 06:01	08/26/22 16:17	7440-47-3	
Lead	49.4	mg/kg	2.1	0.63	1	08/25/22 06:01	08/26/22 16:17	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	08/25/22 06:01	08/26/22 16:17	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	08/25/22 06:01	08/26/22 16:17	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.024J	mg/kg	0.036	0.010	1	08/25/22 08:19	08/26/22 07:38	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	17.5J	ug/kg	93.5	12.1	5	08/26/22 07:47	08/26/22 20:27	83-32-9	
Acenaphthylene	<11.8	ug/kg	93.5	11.8	5	08/26/22 07:47	08/26/22 20:27	208-96-8	
Anthracene	38.0J	ug/kg	93.5	11.6	5	08/26/22 07:47	08/26/22 20:27	120-12-7	
Benzo(a)anthracene	110	ug/kg	93.5	12.1	5	08/26/22 07:47	08/26/22 20:27	56-55-3	
Benzo(a)pyrene	178	ug/kg	93.5	10.6	5	08/26/22 07:47	08/26/22 20:27	50-32-8	
Benzo(b)fluoranthene	251	ug/kg	93.5	13.0	5	08/26/22 07:47	08/26/22 20:27	205-99-2	
Benzo(g,h,i)perylene	102	ug/kg	93.5	16.4	5	08/26/22 07:47	08/26/22 20:27	191-24-2	
Benzo(k)fluoranthene	129	ug/kg	93.5	12.0	5	08/26/22 07:47	08/26/22 20:27	207-08-9	
Chrysene	229	ug/kg	93.5	17.6	5	08/26/22 07:47	08/26/22 20:27	218-01-9	
Dibenz(a,h)anthracene	21.5J	ug/kg	93.5	12.9	5	08/26/22 07:47	08/26/22 20:27	53-70-3	
Fluoranthene	313	ug/kg	93.5	11.1	5	08/26/22 07:47	08/26/22 20:27	206-44-0	
Fluorene	13.4J	ug/kg	93.5	11.2	5	08/26/22 07:47	08/26/22 20:27	86-73-7	
Indeno(1,2,3-cd)pyrene	65.8J	ug/kg	93.5	19.5	5	08/26/22 07:47	08/26/22 20:27	193-39-5	
1-Methylnaphthalene	<13.7	ug/kg	93.5	13.7	5	08/26/22 07:47	08/26/22 20:27	90-12-0	
2-Methylnaphthalene	14.1J	ug/kg	93.5	13.7	5	08/26/22 07:47	08/26/22 20:27	91-57-6	
Naphthalene	15.8J	ug/kg	93.5	9.1	5	08/26/22 07:47	08/26/22 20:27	91-20-3	D3
Phenanthrene	174	ug/kg	93.5	10.7	5	08/26/22 07:47	08/26/22 20:27	85-01-8	
Pyrene	298	ug/kg	93.5	13.7	5	08/26/22 07:47	08/26/22 20:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	62	%	41-98		5	08/26/22 07:47	08/26/22 20:27	321-60-8	
Terphenyl-d14 (S)	76	%	37-106		5	08/26/22 07:47	08/26/22 20:27	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<30.4	ug/kg	51.0	30.4	1	08/26/22 07:45	08/26/22 18:24	71-43-2	
Bromobenzene	<49.8	ug/kg	128	49.8	1	08/26/22 07:45	08/26/22 18:24	108-86-1	
Bromochloromethane	<35.0	ug/kg	128	35.0	1	08/26/22 07:45	08/26/22 18:24	74-97-5	
Bromodichloromethane	<30.4	ug/kg	128	30.4	1	08/26/22 07:45	08/26/22 18:24	75-27-4	
Bromoform	<561	ug/kg	638	561	1	08/26/22 07:45	08/26/22 18:24	75-25-2	
Bromomethane	<179	ug/kg	638	179	1	08/26/22 07:45	08/26/22 18:24	74-83-9	

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-2 (1'-2') Lab ID: 40250229004 Collected: 08/19/22 11:20 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<58.4	ug/kg	128	58.4	1	08/26/22 07:45	08/26/22 18:24	104-51-8	
sec-Butylbenzene	<31.1	ug/kg	128	31.1	1	08/26/22 07:45	08/26/22 18:24	135-98-8	
tert-Butylbenzene	<40.1	ug/kg	128	40.1	1	08/26/22 07:45	08/26/22 18:24	98-06-6	
Carbon tetrachloride	<28.1	ug/kg	128	28.1	1	08/26/22 07:45	08/26/22 18:24	56-23-5	
Chlorobenzene	<15.3	ug/kg	128	15.3	1	08/26/22 07:45	08/26/22 18:24	108-90-7	
Chloroethane	<53.8	ug/kg	638	53.8	1	08/26/22 07:45	08/26/22 18:24	75-00-3	
Chloroform	<91.4	ug/kg	638	91.4	1	08/26/22 07:45	08/26/22 18:24	67-66-3	
Chloromethane	<48.5	ug/kg	128	48.5	1	08/26/22 07:45	08/26/22 18:24	74-87-3	
2-Chlorotoluene	<41.3	ug/kg	128	41.3	1	08/26/22 07:45	08/26/22 18:24	95-49-8	
4-Chlorotoluene	<48.5	ug/kg	128	48.5	1	08/26/22 07:45	08/26/22 18:24	106-43-4	
1,2-Dibromo-3-chloropropane	<99.0	ug/kg	638	99.0	1	08/26/22 07:45	08/26/22 18:24	96-12-8	
Dibromochloromethane	<436	ug/kg	638	436	1	08/26/22 07:45	08/26/22 18:24	124-48-1	
1,2-Dibromoethane (EDB)	<35.0	ug/kg	128	35.0	1	08/26/22 07:45	08/26/22 18:24	106-93-4	
Dibromomethane	<37.8	ug/kg	128	37.8	1	08/26/22 07:45	08/26/22 18:24	74-95-3	
1,2-Dichlorobenzene	<39.6	ug/kg	128	39.6	1	08/26/22 07:45	08/26/22 18:24	95-50-1	
1,3-Dichlorobenzene	<35.0	ug/kg	128	35.0	1	08/26/22 07:45	08/26/22 18:24	541-73-1	
1,4-Dichlorobenzene	<35.0	ug/kg	128	35.0	1	08/26/22 07:45	08/26/22 18:24	106-46-7	
Dichlorodifluoromethane	<54.9	ug/kg	128	54.9	1	08/26/22 07:45	08/26/22 18:24	75-71-8	
1,1-Dichloroethane	<32.7	ug/kg	128	32.7	1	08/26/22 07:45	08/26/22 18:24	75-34-3	
1,2-Dichloroethane	<29.3	ug/kg	128	29.3	1	08/26/22 07:45	08/26/22 18:24	107-06-2	
1,1-Dichloroethene	<42.4	ug/kg	128	42.4	1	08/26/22 07:45	08/26/22 18:24	75-35-4	
cis-1,2-Dichloroethene	<27.3	ug/kg	128	27.3	1	08/26/22 07:45	08/26/22 18:24	156-59-2	
trans-1,2-Dichloroethene	<27.6	ug/kg	128	27.6	1	08/26/22 07:45	08/26/22 18:24	156-60-5	
1,2-Dichloropropane	<30.4	ug/kg	128	30.4	1	08/26/22 07:45	08/26/22 18:24	78-87-5	
1,3-Dichloropropane	<27.8	ug/kg	128	27.8	1	08/26/22 07:45	08/26/22 18:24	142-28-9	
2,2-Dichloropropane	<34.4	ug/kg	128	34.4	1	08/26/22 07:45	08/26/22 18:24	594-20-7	
1,1-Dichloropropene	<41.3	ug/kg	128	41.3	1	08/26/22 07:45	08/26/22 18:24	563-58-6	
cis-1,3-Dichloropropene	<84.2	ug/kg	638	84.2	1	08/26/22 07:45	08/26/22 18:24	10061-01-5	
trans-1,3-Dichloropropene	<365	ug/kg	638	365	1	08/26/22 07:45	08/26/22 18:24	10061-02-6	
Diisopropyl ether	<31.6	ug/kg	128	31.6	1	08/26/22 07:45	08/26/22 18:24	108-20-3	
Ethylbenzene	<30.4	ug/kg	128	30.4	1	08/26/22 07:45	08/26/22 18:24	100-41-4	
Hexachloro-1,3-butadiene	<254	ug/kg	638	254	1	08/26/22 07:45	08/26/22 18:24	87-68-3	
Isopropylbenzene (Cumene)	<34.4	ug/kg	128	34.4	1	08/26/22 07:45	08/26/22 18:24	98-82-8	
p-Isopropyltoluene	<38.8	ug/kg	128	38.8	1	08/26/22 07:45	08/26/22 18:24	99-87-6	
Methylene Chloride	<35.5	ug/kg	128	35.5	1	08/26/22 07:45	08/26/22 18:24	75-09-2	
Methyl-tert-butyl ether	<37.5	ug/kg	128	37.5	1	08/26/22 07:45	08/26/22 18:24	1634-04-4	
Naphthalene	<39.8	ug/kg	638	39.8	1	08/26/22 07:45	08/26/22 18:24	91-20-3	
n-Propylbenzene	<30.6	ug/kg	128	30.6	1	08/26/22 07:45	08/26/22 18:24	103-65-1	
Styrene	<32.7	ug/kg	128	32.7	1	08/26/22 07:45	08/26/22 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	<30.6	ug/kg	128	30.6	1	08/26/22 07:45	08/26/22 18:24	630-20-6	
1,1,1,2,2-Tetrachloroethane	<46.2	ug/kg	128	46.2	1	08/26/22 07:45	08/26/22 18:24	79-34-5	
Tetrachloroethene	<49.5	ug/kg	128	49.5	1	08/26/22 07:45	08/26/22 18:24	127-18-4	
Toluene	<32.2	ug/kg	128	32.2	1	08/26/22 07:45	08/26/22 18:24	108-88-3	
1,2,3-Trichlorobenzene	<142	ug/kg	638	142	1	08/26/22 07:45	08/26/22 18:24	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-2 (1'-2')**      **Lab ID: 40250229004**      Collected: 08/19/22 11:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<105	ug/kg	638	105	1	08/26/22 07:45	08/26/22 18:24	120-82-1	
1,1,1-Trichloroethane	<32.7	ug/kg	128	32.7	1	08/26/22 07:45	08/26/22 18:24	71-55-6	
1,1,2-Trichloroethane	<46.4	ug/kg	128	46.4	1	08/26/22 07:45	08/26/22 18:24	79-00-5	
Trichloroethene	<47.7	ug/kg	128	47.7	1	08/26/22 07:45	08/26/22 18:24	79-01-6	
Trichlorofluoromethane	<37.0	ug/kg	128	37.0	1	08/26/22 07:45	08/26/22 18:24	75-69-4	
1,2,3-Trichloropropane	<62.0	ug/kg	128	62.0	1	08/26/22 07:45	08/26/22 18:24	96-18-4	
1,2,4-Trimethylbenzene	<38.0	ug/kg	128	38.0	1	08/26/22 07:45	08/26/22 18:24	95-63-6	
1,3,5-Trimethylbenzene	<41.1	ug/kg	128	41.1	1	08/26/22 07:45	08/26/22 18:24	108-67-8	
Vinyl chloride	<25.8	ug/kg	128	25.8	1	08/26/22 07:45	08/26/22 18:24	75-01-4	
Xylene (Total)	<92.1	ug/kg	383	92.1	1	08/26/22 07:45	08/26/22 18:24	1330-20-7	
m&p-Xylene	<53.8	ug/kg	255	53.8	1	08/26/22 07:45	08/26/22 18:24	179601-23-1	
o-Xylene	<38.3	ug/kg	128	38.3	1	08/26/22 07:45	08/26/22 18:24	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	117	%	69-153		1	08/26/22 07:45	08/26/22 18:24	2037-26-5	
4-Bromofluorobenzene (S)	132	%	68-156		1	08/26/22 07:45	08/26/22 18:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	71-161		1	08/26/22 07:45	08/26/22 18:24	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.6	%	0.10	0.10	1		08/24/22 16:37		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-2 (3'-4')**      **Lab ID: 40250229005**      Collected: 08/19/22 11:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>1.9J</b>	mg/kg	2.6	1.5	1	08/25/22 06:01	08/26/22 16:22	7440-38-2	
Barium	<b>19.6</b>	mg/kg	0.53	0.16	1	08/25/22 06:01	08/26/22 16:22	7440-39-3	
Cadmium	<b>&lt;0.14</b>	mg/kg	0.53	0.14	1	08/25/22 06:01	08/26/22 16:22	7440-43-9	
Chromium	<b>7.2</b>	mg/kg	1.1	0.29	1	08/25/22 06:01	08/26/22 16:22	7440-47-3	
Lead	<b>15.2</b>	mg/kg	2.1	0.63	1	08/25/22 06:01	08/26/22 16:22	7439-92-1	
Selenium	<b>&lt;1.4</b>	mg/kg	4.2	1.4	1	08/25/22 06:01	08/26/22 16:22	7782-49-2	
Silver	<b>&lt;0.32</b>	mg/kg	1.1	0.32	1	08/25/22 06:01	08/26/22 16:22	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.029J</b>	mg/kg	0.037	0.011	1	08/25/22 08:19	08/26/22 07:40	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>95.8</b>	ug/kg	91.7	11.9	5	08/26/22 07:47	08/26/22 17:35	83-32-9	
Acenaphthylene	<b>18.1J</b>	ug/kg	91.7	11.6	5	08/26/22 07:47	08/26/22 17:35	208-96-8	
Anthracene	<b>167</b>	ug/kg	91.7	11.4	5	08/26/22 07:47	08/26/22 17:35	120-12-7	
Benzo(a)anthracene	<b>350</b>	ug/kg	91.7	11.9	5	08/26/22 07:47	08/26/22 17:35	56-55-3	
Benzo(a)pyrene	<b>440</b>	ug/kg	91.7	10.4	5	08/26/22 07:47	08/26/22 17:35	50-32-8	
Benzo(b)fluoranthene	<b>635</b>	ug/kg	91.7	12.7	5	08/26/22 07:47	08/26/22 17:35	205-99-2	
Benzo(g,h,i)perylene	<b>277</b>	ug/kg	91.7	16.1	5	08/26/22 07:47	08/26/22 17:35	191-24-2	
Benzo(k)fluoranthene	<b>258</b>	ug/kg	91.7	11.7	5	08/26/22 07:47	08/26/22 17:35	207-08-9	
Chrysene	<b>567</b>	ug/kg	91.7	17.3	5	08/26/22 07:47	08/26/22 17:35	218-01-9	
Dibenz(a,h)anthracene	<b>72.8J</b>	ug/kg	91.7	12.7	5	08/26/22 07:47	08/26/22 17:35	53-70-3	
Fluoranthene	<b>1140</b>	ug/kg	91.7	10.9	5	08/26/22 07:47	08/26/22 17:35	206-44-0	
Fluorene	<b>86.5J</b>	ug/kg	91.7	11.0	5	08/26/22 07:47	08/26/22 17:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>205</b>	ug/kg	91.7	19.1	5	08/26/22 07:47	08/26/22 17:35	193-39-5	
1-Methylnaphthalene	<b>35.7J</b>	ug/kg	91.7	13.4	5	08/26/22 07:47	08/26/22 17:35	90-12-0	
2-Methylnaphthalene	<b>43.8J</b>	ug/kg	91.7	13.4	5	08/26/22 07:47	08/26/22 17:35	91-57-6	
Naphthalene	<b>44.7J</b>	ug/kg	91.7	8.9	5	08/26/22 07:47	08/26/22 17:35	91-20-3	
Phenanthrene	<b>865</b>	ug/kg	91.7	10.5	5	08/26/22 07:47	08/26/22 17:35	85-01-8	
Pyrene	<b>880</b>	ug/kg	91.7	13.5	5	08/26/22 07:47	08/26/22 17:35	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	41-98		5	08/26/22 07:47	08/26/22 17:35	321-60-8	
Terphenyl-d14 (S)	63	%	37-106		5	08/26/22 07:47	08/26/22 17:35	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;16.0</b>	ug/kg	26.9	16.0	1	08/26/22 07:45	08/26/22 18:44	71-43-2	
Bromobenzene	<b>&lt;26.2</b>	ug/kg	67.2	26.2	1	08/26/22 07:45	08/26/22 18:44	108-86-1	
Bromochloromethane	<b>&lt;18.4</b>	ug/kg	67.2	18.4	1	08/26/22 07:45	08/26/22 18:44	74-97-5	
Bromodichloromethane	<b>&lt;16.0</b>	ug/kg	67.2	16.0	1	08/26/22 07:45	08/26/22 18:44	75-27-4	
Bromoform	<b>&lt;296</b>	ug/kg	336	296	1	08/26/22 07:45	08/26/22 18:44	75-25-2	
Bromomethane	<b>&lt;94.3</b>	ug/kg	336	94.3	1	08/26/22 07:45	08/26/22 18:44	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-2 (3'-4') Lab ID: 40250229005 Collected: 08/19/22 11:30 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<30.8	ug/kg	67.2	30.8	1	08/26/22 07:45	08/26/22 18:44	104-51-8	
sec-Butylbenzene	<16.4	ug/kg	67.2	16.4	1	08/26/22 07:45	08/26/22 18:44	135-98-8	
tert-Butylbenzene	<21.1	ug/kg	67.2	21.1	1	08/26/22 07:45	08/26/22 18:44	98-06-6	
Carbon tetrachloride	<14.8	ug/kg	67.2	14.8	1	08/26/22 07:45	08/26/22 18:44	56-23-5	
Chlorobenzene	<8.1	ug/kg	67.2	8.1	1	08/26/22 07:45	08/26/22 18:44	108-90-7	
Chloroethane	<28.4	ug/kg	336	28.4	1	08/26/22 07:45	08/26/22 18:44	75-00-3	
Chloroform	<48.1	ug/kg	336	48.1	1	08/26/22 07:45	08/26/22 18:44	67-66-3	
Chloromethane	<25.6	ug/kg	67.2	25.6	1	08/26/22 07:45	08/26/22 18:44	74-87-3	
2-Chlorotoluene	<21.8	ug/kg	67.2	21.8	1	08/26/22 07:45	08/26/22 18:44	95-49-8	
4-Chlorotoluene	<25.6	ug/kg	67.2	25.6	1	08/26/22 07:45	08/26/22 18:44	106-43-4	
1,2-Dibromo-3-chloropropane	<52.2	ug/kg	336	52.2	1	08/26/22 07:45	08/26/22 18:44	96-12-8	
Dibromochloromethane	<230	ug/kg	336	230	1	08/26/22 07:45	08/26/22 18:44	124-48-1	
1,2-Dibromoethane (EDB)	<18.4	ug/kg	67.2	18.4	1	08/26/22 07:45	08/26/22 18:44	106-93-4	
Dibromomethane	<19.9	ug/kg	67.2	19.9	1	08/26/22 07:45	08/26/22 18:44	74-95-3	
1,2-Dichlorobenzene	<20.8	ug/kg	67.2	20.8	1	08/26/22 07:45	08/26/22 18:44	95-50-1	
1,3-Dichlorobenzene	<18.4	ug/kg	67.2	18.4	1	08/26/22 07:45	08/26/22 18:44	541-73-1	
1,4-Dichlorobenzene	<18.4	ug/kg	67.2	18.4	1	08/26/22 07:45	08/26/22 18:44	106-46-7	
Dichlorodifluoromethane	<28.9	ug/kg	67.2	28.9	1	08/26/22 07:45	08/26/22 18:44	75-71-8	
1,1-Dichloroethane	<17.2	ug/kg	67.2	17.2	1	08/26/22 07:45	08/26/22 18:44	75-34-3	
1,2-Dichloroethane	<15.5	ug/kg	67.2	15.5	1	08/26/22 07:45	08/26/22 18:44	107-06-2	
1,1-Dichloroethene	<22.3	ug/kg	67.2	22.3	1	08/26/22 07:45	08/26/22 18:44	75-35-4	
cis-1,2-Dichloroethene	<14.4	ug/kg	67.2	14.4	1	08/26/22 07:45	08/26/22 18:44	156-59-2	
trans-1,2-Dichloroethene	<14.5	ug/kg	67.2	14.5	1	08/26/22 07:45	08/26/22 18:44	156-60-5	
1,2-Dichloropropane	<16.0	ug/kg	67.2	16.0	1	08/26/22 07:45	08/26/22 18:44	78-87-5	
1,3-Dichloropropane	<14.7	ug/kg	67.2	14.7	1	08/26/22 07:45	08/26/22 18:44	142-28-9	
2,2-Dichloropropane	<18.2	ug/kg	67.2	18.2	1	08/26/22 07:45	08/26/22 18:44	594-20-7	
1,1-Dichloropropene	<21.8	ug/kg	67.2	21.8	1	08/26/22 07:45	08/26/22 18:44	563-58-6	
cis-1,3-Dichloropropene	<44.4	ug/kg	336	44.4	1	08/26/22 07:45	08/26/22 18:44	10061-01-5	
trans-1,3-Dichloropropene	<192	ug/kg	336	192	1	08/26/22 07:45	08/26/22 18:44	10061-02-6	
Diisopropyl ether	<16.7	ug/kg	67.2	16.7	1	08/26/22 07:45	08/26/22 18:44	108-20-3	
Ethylbenzene	<16.0	ug/kg	67.2	16.0	1	08/26/22 07:45	08/26/22 18:44	100-41-4	
Hexachloro-1,3-butadiene	<134	ug/kg	336	134	1	08/26/22 07:45	08/26/22 18:44	87-68-3	
Isopropylbenzene (Cumene)	<18.2	ug/kg	67.2	18.2	1	08/26/22 07:45	08/26/22 18:44	98-82-8	
p-Isopropyltoluene	<20.4	ug/kg	67.2	20.4	1	08/26/22 07:45	08/26/22 18:44	99-87-6	
Methylene Chloride	<18.7	ug/kg	67.2	18.7	1	08/26/22 07:45	08/26/22 18:44	75-09-2	
Methyl-tert-butyl ether	<19.8	ug/kg	67.2	19.8	1	08/26/22 07:45	08/26/22 18:44	1634-04-4	
Naphthalene	<21.0	ug/kg	336	21.0	1	08/26/22 07:45	08/26/22 18:44	91-20-3	
n-Propylbenzene	<16.1	ug/kg	67.2	16.1	1	08/26/22 07:45	08/26/22 18:44	103-65-1	
Styrene	<17.2	ug/kg	67.2	17.2	1	08/26/22 07:45	08/26/22 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	<16.1	ug/kg	67.2	16.1	1	08/26/22 07:45	08/26/22 18:44	630-20-6	
1,1,1,2,2-Tetrachloroethane	<24.3	ug/kg	67.2	24.3	1	08/26/22 07:45	08/26/22 18:44	79-34-5	
Tetrachloroethene	<26.1	ug/kg	67.2	26.1	1	08/26/22 07:45	08/26/22 18:44	127-18-4	
Toluene	<16.9	ug/kg	67.2	16.9	1	08/26/22 07:45	08/26/22 18:44	108-88-3	
1,2,3-Trichlorobenzene	<74.9	ug/kg	336	74.9	1	08/26/22 07:45	08/26/22 18:44	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-2 (3'-4')**      **Lab ID: 40250229005**      Collected: 08/19/22 11:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<55.4	ug/kg	336	55.4	1	08/26/22 07:45	08/26/22 18:44	120-82-1	
1,1,1-Trichloroethane	<17.2	ug/kg	67.2	17.2	1	08/26/22 07:45	08/26/22 18:44	71-55-6	
1,1,2-Trichloroethane	<24.5	ug/kg	67.2	24.5	1	08/26/22 07:45	08/26/22 18:44	79-00-5	
Trichloroethene	<25.2	ug/kg	67.2	25.2	1	08/26/22 07:45	08/26/22 18:44	79-01-6	
Trichlorofluoromethane	<19.5	ug/kg	67.2	19.5	1	08/26/22 07:45	08/26/22 18:44	75-69-4	
1,2,3-Trichloropropane	<32.7	ug/kg	67.2	32.7	1	08/26/22 07:45	08/26/22 18:44	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/kg	67.2	20.0	1	08/26/22 07:45	08/26/22 18:44	95-63-6	
1,3,5-Trimethylbenzene	<21.7	ug/kg	67.2	21.7	1	08/26/22 07:45	08/26/22 18:44	108-67-8	
Vinyl chloride	<13.6	ug/kg	67.2	13.6	1	08/26/22 07:45	08/26/22 18:44	75-01-4	
Xylene (Total)	<48.6	ug/kg	202	48.6	1	08/26/22 07:45	08/26/22 18:44	1330-20-7	
m&p-Xylene	<28.4	ug/kg	134	28.4	1	08/26/22 07:45	08/26/22 18:44	179601-23-1	
o-Xylene	<20.2	ug/kg	67.2	20.2	1	08/26/22 07:45	08/26/22 18:44	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	123	%	69-153		1	08/26/22 07:45	08/26/22 18:44	2037-26-5	
4-Bromofluorobenzene (S)	132	%	68-156		1	08/26/22 07:45	08/26/22 18:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	121	%	71-161		1	08/26/22 07:45	08/26/22 18:44	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.9	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-3 (1'-2')**      **Lab ID: 40250229006**      Collected: 08/19/22 11:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>1.6J</b>	mg/kg	2.6	1.5	1	08/25/22 06:01	08/26/22 16:24	7440-38-2	
Barium	<b>23.2</b>	mg/kg	0.52	0.16	1	08/25/22 06:01	08/26/22 16:24	7440-39-3	
Cadmium	<b>&lt;0.14</b>	mg/kg	0.52	0.14	1	08/25/22 06:01	08/26/22 16:24	7440-43-9	
Chromium	<b>7.9</b>	mg/kg	1.0	0.29	1	08/25/22 06:01	08/26/22 16:24	7440-47-3	
Lead	<b>26.1</b>	mg/kg	2.1	0.63	1	08/25/22 06:01	08/26/22 16:24	7439-92-1	
Selenium	<b>&lt;1.4</b>	mg/kg	4.2	1.4	1	08/25/22 06:01	08/26/22 16:24	7782-49-2	
Silver	<b>&lt;0.32</b>	mg/kg	1.0	0.32	1	08/25/22 06:01	08/26/22 16:24	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.031J</b>	mg/kg	0.034	0.0098	1	08/25/22 08:19	08/26/22 07:43	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>8.0J</b>	ug/kg	18.0	2.3	1	08/26/22 07:47	08/26/22 16:26	83-32-9	
Acenaphthylene	<b>11.4J</b>	ug/kg	18.0	2.3	1	08/26/22 07:47	08/26/22 16:26	208-96-8	
Anthracene	<b>22.9</b>	ug/kg	18.0	2.2	1	08/26/22 07:47	08/26/22 16:26	120-12-7	
Benzo(a)anthracene	<b>52.6</b>	ug/kg	18.0	2.3	1	08/26/22 07:47	08/26/22 16:26	56-55-3	
Benzo(a)pyrene	<b>64.6</b>	ug/kg	18.0	2.0	1	08/26/22 07:47	08/26/22 16:26	50-32-8	
Benzo(b)fluoranthene	<b>87.6</b>	ug/kg	18.0	2.5	1	08/26/22 07:47	08/26/22 16:26	205-99-2	
Benzo(g,h,i)perylene	<b>45.0</b>	ug/kg	18.0	3.2	1	08/26/22 07:47	08/26/22 16:26	191-24-2	
Benzo(k)fluoranthene	<b>28.5</b>	ug/kg	18.0	2.3	1	08/26/22 07:47	08/26/22 16:26	207-08-9	
Chrysene	<b>64.9</b>	ug/kg	18.0	3.4	1	08/26/22 07:47	08/26/22 16:26	218-01-9	
Dibenz(a,h)anthracene	<b>11.4J</b>	ug/kg	18.0	2.5	1	08/26/22 07:47	08/26/22 16:26	53-70-3	
Fluoranthene	<b>119</b>	ug/kg	18.0	2.1	1	08/26/22 07:47	08/26/22 16:26	206-44-0	
Fluorene	<b>7.7J</b>	ug/kg	18.0	2.2	1	08/26/22 07:47	08/26/22 16:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>35.4</b>	ug/kg	18.0	3.8	1	08/26/22 07:47	08/26/22 16:26	193-39-5	
1-Methylnaphthalene	<b>9.7J</b>	ug/kg	18.0	2.6	1	08/26/22 07:47	08/26/22 16:26	90-12-0	
2-Methylnaphthalene	<b>12.1J</b>	ug/kg	18.0	2.6	1	08/26/22 07:47	08/26/22 16:26	91-57-6	
Naphthalene	<b>16.5J</b>	ug/kg	18.0	1.8	1	08/26/22 07:47	08/26/22 16:26	91-20-3	
Phenanthrene	<b>72.3</b>	ug/kg	18.0	2.1	1	08/26/22 07:47	08/26/22 16:26	85-01-8	
Pyrene	<b>129</b>	ug/kg	18.0	2.6	1	08/26/22 07:47	08/26/22 16:26	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	67	%	41-98		1	08/26/22 07:47	08/26/22 16:26	321-60-8	
Terphenyl-d14 (S)	79	%	37-106		1	08/26/22 07:47	08/26/22 16:26	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;13.8</b>	ug/kg	23.2	13.8	1	08/26/22 07:45	08/26/22 19:04	71-43-2	
Bromobenzene	<b>&lt;22.6</b>	ug/kg	57.9	22.6	1	08/26/22 07:45	08/26/22 19:04	108-86-1	
Bromochloromethane	<b>&lt;15.9</b>	ug/kg	57.9	15.9	1	08/26/22 07:45	08/26/22 19:04	74-97-5	
Bromodichloromethane	<b>&lt;13.8</b>	ug/kg	57.9	13.8	1	08/26/22 07:45	08/26/22 19:04	75-27-4	
Bromoform	<b>&lt;255</b>	ug/kg	290	255	1	08/26/22 07:45	08/26/22 19:04	75-25-2	
Bromomethane	<b>&lt;81.2</b>	ug/kg	290	81.2	1	08/26/22 07:45	08/26/22 19:04	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Sample: PB-3 (1'-2') Lab ID: 40250229006 Collected: 08/19/22 11:00 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<26.5	ug/kg	57.9	26.5	1	08/26/22 07:45	08/26/22 19:04	104-51-8	
sec-Butylbenzene	<14.1	ug/kg	57.9	14.1	1	08/26/22 07:45	08/26/22 19:04	135-98-8	
tert-Butylbenzene	<18.2	ug/kg	57.9	18.2	1	08/26/22 07:45	08/26/22 19:04	98-06-6	
Carbon tetrachloride	<12.7	ug/kg	57.9	12.7	1	08/26/22 07:45	08/26/22 19:04	56-23-5	
Chlorobenzene	<6.9	ug/kg	57.9	6.9	1	08/26/22 07:45	08/26/22 19:04	108-90-7	
Chloroethane	<24.4	ug/kg	290	24.4	1	08/26/22 07:45	08/26/22 19:04	75-00-3	
Chloroform	<41.5	ug/kg	290	41.5	1	08/26/22 07:45	08/26/22 19:04	67-66-3	
Chloromethane	<22.0	ug/kg	57.9	22.0	1	08/26/22 07:45	08/26/22 19:04	74-87-3	
2-Chlorotoluene	<18.8	ug/kg	57.9	18.8	1	08/26/22 07:45	08/26/22 19:04	95-49-8	
4-Chlorotoluene	<22.0	ug/kg	57.9	22.0	1	08/26/22 07:45	08/26/22 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	<44.9	ug/kg	290	44.9	1	08/26/22 07:45	08/26/22 19:04	96-12-8	
Dibromochloromethane	<198	ug/kg	290	198	1	08/26/22 07:45	08/26/22 19:04	124-48-1	
1,2-Dibromoethane (EDB)	<15.9	ug/kg	57.9	15.9	1	08/26/22 07:45	08/26/22 19:04	106-93-4	
Dibromomethane	<17.1	ug/kg	57.9	17.1	1	08/26/22 07:45	08/26/22 19:04	74-95-3	
1,2-Dichlorobenzene	<18.0	ug/kg	57.9	18.0	1	08/26/22 07:45	08/26/22 19:04	95-50-1	
1,3-Dichlorobenzene	<15.9	ug/kg	57.9	15.9	1	08/26/22 07:45	08/26/22 19:04	541-73-1	
1,4-Dichlorobenzene	<15.9	ug/kg	57.9	15.9	1	08/26/22 07:45	08/26/22 19:04	106-46-7	
Dichlorodifluoromethane	<24.9	ug/kg	57.9	24.9	1	08/26/22 07:45	08/26/22 19:04	75-71-8	
1,1-Dichloroethane	<14.8	ug/kg	57.9	14.8	1	08/26/22 07:45	08/26/22 19:04	75-34-3	
1,2-Dichloroethane	<13.3	ug/kg	57.9	13.3	1	08/26/22 07:45	08/26/22 19:04	107-06-2	
1,1-Dichloroethene	<19.2	ug/kg	57.9	19.2	1	08/26/22 07:45	08/26/22 19:04	75-35-4	
cis-1,2-Dichloroethene	<12.4	ug/kg	57.9	12.4	1	08/26/22 07:45	08/26/22 19:04	156-59-2	
trans-1,2-Dichloroethene	<12.5	ug/kg	57.9	12.5	1	08/26/22 07:45	08/26/22 19:04	156-60-5	
1,2-Dichloropropane	<13.8	ug/kg	57.9	13.8	1	08/26/22 07:45	08/26/22 19:04	78-87-5	
1,3-Dichloropropane	<12.6	ug/kg	57.9	12.6	1	08/26/22 07:45	08/26/22 19:04	142-28-9	
2,2-Dichloropropane	<15.6	ug/kg	57.9	15.6	1	08/26/22 07:45	08/26/22 19:04	594-20-7	
1,1-Dichloropropene	<18.8	ug/kg	57.9	18.8	1	08/26/22 07:45	08/26/22 19:04	563-58-6	
cis-1,3-Dichloropropene	<38.2	ug/kg	290	38.2	1	08/26/22 07:45	08/26/22 19:04	10061-01-5	
trans-1,3-Dichloropropene	<166	ug/kg	290	166	1	08/26/22 07:45	08/26/22 19:04	10061-02-6	
Diisopropyl ether	<14.4	ug/kg	57.9	14.4	1	08/26/22 07:45	08/26/22 19:04	108-20-3	
Ethylbenzene	<13.8	ug/kg	57.9	13.8	1	08/26/22 07:45	08/26/22 19:04	100-41-4	
Hexachloro-1,3-butadiene	<115	ug/kg	290	115	1	08/26/22 07:45	08/26/22 19:04	87-68-3	
Isopropylbenzene (Cumene)	<15.6	ug/kg	57.9	15.6	1	08/26/22 07:45	08/26/22 19:04	98-82-8	
p-Isopropyltoluene	<17.6	ug/kg	57.9	17.6	1	08/26/22 07:45	08/26/22 19:04	99-87-6	
Methylene Chloride	<16.1	ug/kg	57.9	16.1	1	08/26/22 07:45	08/26/22 19:04	75-09-2	
Methyl-tert-butyl ether	<17.0	ug/kg	57.9	17.0	1	08/26/22 07:45	08/26/22 19:04	1634-04-4	
Naphthalene	<18.1	ug/kg	290	18.1	1	08/26/22 07:45	08/26/22 19:04	91-20-3	
n-Propylbenzene	<13.9	ug/kg	57.9	13.9	1	08/26/22 07:45	08/26/22 19:04	103-65-1	
Styrene	<14.8	ug/kg	57.9	14.8	1	08/26/22 07:45	08/26/22 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	<13.9	ug/kg	57.9	13.9	1	08/26/22 07:45	08/26/22 19:04	630-20-6	
1,1,1,2,2-Tetrachloroethane	<21.0	ug/kg	57.9	21.0	1	08/26/22 07:45	08/26/22 19:04	79-34-5	
Tetrachloroethene	<22.5	ug/kg	57.9	22.5	1	08/26/22 07:45	08/26/22 19:04	127-18-4	
Toluene	<14.6	ug/kg	57.9	14.6	1	08/26/22 07:45	08/26/22 19:04	108-88-3	
1,2,3-Trichlorobenzene	<64.5	ug/kg	290	64.5	1	08/26/22 07:45	08/26/22 19:04	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-3 (1'-2')**      **Lab ID: 40250229006**      Collected: 08/19/22 11:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<47.7	ug/kg	290	47.7	1	08/26/22 07:45	08/26/22 19:04	120-82-1	
1,1,1-Trichloroethane	<14.8	ug/kg	57.9	14.8	1	08/26/22 07:45	08/26/22 19:04	71-55-6	
1,1,2-Trichloroethane	<21.1	ug/kg	57.9	21.1	1	08/26/22 07:45	08/26/22 19:04	79-00-5	
Trichloroethene	<21.7	ug/kg	57.9	21.7	1	08/26/22 07:45	08/26/22 19:04	79-01-6	
Trichlorofluoromethane	<16.8	ug/kg	57.9	16.8	1	08/26/22 07:45	08/26/22 19:04	75-69-4	
1,2,3-Trichloropropane	<28.1	ug/kg	57.9	28.1	1	08/26/22 07:45	08/26/22 19:04	96-18-4	
1,2,4-Trimethylbenzene	<17.3	ug/kg	57.9	17.3	1	08/26/22 07:45	08/26/22 19:04	95-63-6	
1,3,5-Trimethylbenzene	<18.6	ug/kg	57.9	18.6	1	08/26/22 07:45	08/26/22 19:04	108-67-8	
Vinyl chloride	<11.7	ug/kg	57.9	11.7	1	08/26/22 07:45	08/26/22 19:04	75-01-4	
Xylene (Total)	<41.8	ug/kg	174	41.8	1	08/26/22 07:45	08/26/22 19:04	1330-20-7	
m&p-Xylene	<24.4	ug/kg	116	24.4	1	08/26/22 07:45	08/26/22 19:04	179601-23-1	
o-Xylene	<17.4	ug/kg	57.9	17.4	1	08/26/22 07:45	08/26/22 19:04	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	129	%	69-153		1	08/26/22 07:45	08/26/22 19:04	2037-26-5	
4-Bromofluorobenzene (S)	136	%	68-156		1	08/26/22 07:45	08/26/22 19:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	125	%	71-161		1	08/26/22 07:45	08/26/22 19:04	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.3	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-3 (4'-5')**      **Lab ID: 40250229007**      Collected: 08/19/22 11:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>1.8J</b>	mg/kg	2.8	1.7	1	08/25/22 06:01	08/26/22 16:27	7440-38-2	
Barium	<b>33.4</b>	mg/kg	0.57	0.17	1	08/25/22 06:01	08/26/22 16:27	7440-39-3	
Cadmium	<b>0.25J</b>	mg/kg	0.57	0.15	1	08/25/22 06:01	08/26/22 16:27	7440-43-9	
Chromium	<b>11.8</b>	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 16:27	7440-47-3	
Lead	<b>11.1</b>	mg/kg	2.3	0.68	1	08/25/22 06:01	08/26/22 16:27	7439-92-1	
Selenium	<b>&lt;1.5</b>	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 16:27	7782-49-2	
Silver	<b>&lt;0.35</b>	mg/kg	1.1	0.35	1	08/25/22 06:01	08/26/22 16:27	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.019J</b>	mg/kg	0.040	0.011	1	08/25/22 08:19	08/26/22 07:45	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>6.6J</b>	ug/kg	19.2	2.5	1	08/26/22 07:47	08/26/22 17:52	83-32-9	
Acenaphthylene	<b>5.4J</b>	ug/kg	19.2	2.4	1	08/26/22 07:47	08/26/22 17:52	208-96-8	
Anthracene	<b>8.0J</b>	ug/kg	19.2	2.4	1	08/26/22 07:47	08/26/22 17:52	120-12-7	
Benzo(a)anthracene	<b>44.6</b>	ug/kg	19.2	2.5	1	08/26/22 07:47	08/26/22 17:52	56-55-3	
Benzo(a)pyrene	<b>56.1</b>	ug/kg	19.2	2.2	1	08/26/22 07:47	08/26/22 17:52	50-32-8	
Benzo(b)fluoranthene	<b>86.8</b>	ug/kg	19.2	2.7	1	08/26/22 07:47	08/26/22 17:52	205-99-2	
Benzo(g,h,i)perylene	<b>36.8</b>	ug/kg	19.2	3.4	1	08/26/22 07:47	08/26/22 17:52	191-24-2	
Benzo(k)fluoranthene	<b>30.8</b>	ug/kg	19.2	2.4	1	08/26/22 07:47	08/26/22 17:52	207-08-9	
Chrysene	<b>63.6</b>	ug/kg	19.2	3.6	1	08/26/22 07:47	08/26/22 17:52	218-01-9	
Dibenz(a,h)anthracene	<b>10.1J</b>	ug/kg	19.2	2.7	1	08/26/22 07:47	08/26/22 17:52	53-70-3	
Fluoranthene	<b>93.6</b>	ug/kg	19.2	2.3	1	08/26/22 07:47	08/26/22 17:52	206-44-0	
Fluorene	<b>4.1J</b>	ug/kg	19.2	2.3	1	08/26/22 07:47	08/26/22 17:52	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>29.4</b>	ug/kg	19.2	4.0	1	08/26/22 07:47	08/26/22 17:52	193-39-5	
1-Methylnaphthalene	<b>70.2</b>	ug/kg	19.2	2.8	1	08/26/22 07:47	08/26/22 17:52	90-12-0	
2-Methylnaphthalene	<b>80.8</b>	ug/kg	19.2	2.8	1	08/26/22 07:47	08/26/22 17:52	91-57-6	
Naphthalene	<b>53.2</b>	ug/kg	19.2	1.9	1	08/26/22 07:47	08/26/22 17:52	91-20-3	
Phenanthrene	<b>61.3</b>	ug/kg	19.2	2.2	1	08/26/22 07:47	08/26/22 17:52	85-01-8	
Pyrene	<b>85.2</b>	ug/kg	19.2	2.8	1	08/26/22 07:47	08/26/22 17:52	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	58	%	41-98		1	08/26/22 07:47	08/26/22 17:52	321-60-8	
Terphenyl-d14 (S)	66	%	37-106		1	08/26/22 07:47	08/26/22 17:52	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;17.1</b>	ug/kg	28.8	17.1	1	08/26/22 07:45	08/26/22 19:24	71-43-2	
Bromobenzene	<b>&lt;28.1</b>	ug/kg	72.0	28.1	1	08/26/22 07:45	08/26/22 19:24	108-86-1	
Bromochloromethane	<b>&lt;19.7</b>	ug/kg	72.0	19.7	1	08/26/22 07:45	08/26/22 19:24	74-97-5	
Bromodichloromethane	<b>&lt;17.1</b>	ug/kg	72.0	17.1	1	08/26/22 07:45	08/26/22 19:24	75-27-4	
Bromoform	<b>&lt;317</b>	ug/kg	360	317	1	08/26/22 07:45	08/26/22 19:24	75-25-2	
Bromomethane	<b>&lt;101</b>	ug/kg	360	101	1	08/26/22 07:45	08/26/22 19:24	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-3 (4'-5')** Lab ID: **40250229007** Collected: 08/19/22 11:10 Received: 08/23/22 08:10 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<33.0	ug/kg	72.0	33.0	1	08/26/22 07:45	08/26/22 19:24	104-51-8	
sec-Butylbenzene	<17.6	ug/kg	72.0	17.6	1	08/26/22 07:45	08/26/22 19:24	135-98-8	
tert-Butylbenzene	<22.6	ug/kg	72.0	22.6	1	08/26/22 07:45	08/26/22 19:24	98-06-6	
Carbon tetrachloride	<15.8	ug/kg	72.0	15.8	1	08/26/22 07:45	08/26/22 19:24	56-23-5	
Chlorobenzene	<8.6	ug/kg	72.0	8.6	1	08/26/22 07:45	08/26/22 19:24	108-90-7	
Chloroethane	<30.4	ug/kg	360	30.4	1	08/26/22 07:45	08/26/22 19:24	75-00-3	
Chloroform	<51.5	ug/kg	360	51.5	1	08/26/22 07:45	08/26/22 19:24	67-66-3	
Chloromethane	<27.3	ug/kg	72.0	27.3	1	08/26/22 07:45	08/26/22 19:24	74-87-3	
2-Chlorotoluene	<23.3	ug/kg	72.0	23.3	1	08/26/22 07:45	08/26/22 19:24	95-49-8	
4-Chlorotoluene	<27.3	ug/kg	72.0	27.3	1	08/26/22 07:45	08/26/22 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	<55.8	ug/kg	360	55.8	1	08/26/22 07:45	08/26/22 19:24	96-12-8	
Dibromochloromethane	<246	ug/kg	360	246	1	08/26/22 07:45	08/26/22 19:24	124-48-1	
1,2-Dibromoethane (EDB)	<19.7	ug/kg	72.0	19.7	1	08/26/22 07:45	08/26/22 19:24	106-93-4	
Dibromomethane	<21.3	ug/kg	72.0	21.3	1	08/26/22 07:45	08/26/22 19:24	74-95-3	
1,2-Dichlorobenzene	<22.3	ug/kg	72.0	22.3	1	08/26/22 07:45	08/26/22 19:24	95-50-1	
1,3-Dichlorobenzene	<19.7	ug/kg	72.0	19.7	1	08/26/22 07:45	08/26/22 19:24	541-73-1	
1,4-Dichlorobenzene	<19.7	ug/kg	72.0	19.7	1	08/26/22 07:45	08/26/22 19:24	106-46-7	
Dichlorodifluoromethane	<30.9	ug/kg	72.0	30.9	1	08/26/22 07:45	08/26/22 19:24	75-71-8	
1,1-Dichloroethane	<18.4	ug/kg	72.0	18.4	1	08/26/22 07:45	08/26/22 19:24	75-34-3	
1,2-Dichloroethane	<16.6	ug/kg	72.0	16.6	1	08/26/22 07:45	08/26/22 19:24	107-06-2	
1,1-Dichloroethene	<23.9	ug/kg	72.0	23.9	1	08/26/22 07:45	08/26/22 19:24	75-35-4	
cis-1,2-Dichloroethene	<15.4	ug/kg	72.0	15.4	1	08/26/22 07:45	08/26/22 19:24	156-59-2	
trans-1,2-Dichloroethene	<15.5	ug/kg	72.0	15.5	1	08/26/22 07:45	08/26/22 19:24	156-60-5	
1,2-Dichloropropane	<17.1	ug/kg	72.0	17.1	1	08/26/22 07:45	08/26/22 19:24	78-87-5	
1,3-Dichloropropane	<15.7	ug/kg	72.0	15.7	1	08/26/22 07:45	08/26/22 19:24	142-28-9	
2,2-Dichloropropane	<19.4	ug/kg	72.0	19.4	1	08/26/22 07:45	08/26/22 19:24	594-20-7	
1,1-Dichloropropene	<23.3	ug/kg	72.0	23.3	1	08/26/22 07:45	08/26/22 19:24	563-58-6	
cis-1,3-Dichloropropene	<47.5	ug/kg	360	47.5	1	08/26/22 07:45	08/26/22 19:24	10061-01-5	
trans-1,3-Dichloropropene	<206	ug/kg	360	206	1	08/26/22 07:45	08/26/22 19:24	10061-02-6	
Diisopropyl ether	<17.8	ug/kg	72.0	17.8	1	08/26/22 07:45	08/26/22 19:24	108-20-3	
Ethylbenzene	<17.1	ug/kg	72.0	17.1	1	08/26/22 07:45	08/26/22 19:24	100-41-4	
Hexachloro-1,3-butadiene	<143	ug/kg	360	143	1	08/26/22 07:45	08/26/22 19:24	87-68-3	
Isopropylbenzene (Cumene)	<19.4	ug/kg	72.0	19.4	1	08/26/22 07:45	08/26/22 19:24	98-82-8	
p-Isopropyltoluene	<21.9	ug/kg	72.0	21.9	1	08/26/22 07:45	08/26/22 19:24	99-87-6	
Methylene Chloride	<20.0	ug/kg	72.0	20.0	1	08/26/22 07:45	08/26/22 19:24	75-09-2	
Methyl-tert-butyl ether	<21.2	ug/kg	72.0	21.2	1	08/26/22 07:45	08/26/22 19:24	1634-04-4	
Naphthalene	<22.5	ug/kg	360	22.5	1	08/26/22 07:45	08/26/22 19:24	91-20-3	
n-Propylbenzene	<17.3	ug/kg	72.0	17.3	1	08/26/22 07:45	08/26/22 19:24	103-65-1	
Styrene	<18.4	ug/kg	72.0	18.4	1	08/26/22 07:45	08/26/22 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	<17.3	ug/kg	72.0	17.3	1	08/26/22 07:45	08/26/22 19:24	630-20-6	
1,1,1,2,2-Tetrachloroethane	<26.0	ug/kg	72.0	26.0	1	08/26/22 07:45	08/26/22 19:24	79-34-5	
Tetrachloroethene	<27.9	ug/kg	72.0	27.9	1	08/26/22 07:45	08/26/22 19:24	127-18-4	
Toluene	<18.1	ug/kg	72.0	18.1	1	08/26/22 07:45	08/26/22 19:24	108-88-3	
1,2,3-Trichlorobenzene	<80.2	ug/kg	360	80.2	1	08/26/22 07:45	08/26/22 19:24	87-61-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-3 (4'-5')**      **Lab ID: 40250229007**      Collected: 08/19/22 11:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<59.3	ug/kg	360	59.3	1	08/26/22 07:45	08/26/22 19:24	120-82-1	
1,1,1-Trichloroethane	<18.4	ug/kg	72.0	18.4	1	08/26/22 07:45	08/26/22 19:24	71-55-6	
1,1,2-Trichloroethane	<26.2	ug/kg	72.0	26.2	1	08/26/22 07:45	08/26/22 19:24	79-00-5	
Trichloroethene	<26.9	ug/kg	72.0	26.9	1	08/26/22 07:45	08/26/22 19:24	79-01-6	
Trichlorofluoromethane	<20.9	ug/kg	72.0	20.9	1	08/26/22 07:45	08/26/22 19:24	75-69-4	
1,2,3-Trichloropropane	<35.0	ug/kg	72.0	35.0	1	08/26/22 07:45	08/26/22 19:24	96-18-4	
1,2,4-Trimethylbenzene	<21.4	ug/kg	72.0	21.4	1	08/26/22 07:45	08/26/22 19:24	95-63-6	
1,3,5-Trimethylbenzene	<23.2	ug/kg	72.0	23.2	1	08/26/22 07:45	08/26/22 19:24	108-67-8	
Vinyl chloride	<14.5	ug/kg	72.0	14.5	1	08/26/22 07:45	08/26/22 19:24	75-01-4	
Xylene (Total)	<52.0	ug/kg	216	52.0	1	08/26/22 07:45	08/26/22 19:24	1330-20-7	
m&p-Xylene	<30.4	ug/kg	144	30.4	1	08/26/22 07:45	08/26/22 19:24	179601-23-1	
o-Xylene	<21.6	ug/kg	72.0	21.6	1	08/26/22 07:45	08/26/22 19:24	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	119	%	69-153		1	08/26/22 07:45	08/26/22 19:24	2037-26-5	
4-Bromofluorobenzene (S)	127	%	68-156		1	08/26/22 07:45	08/26/22 19:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	71-161		1	08/26/22 07:45	08/26/22 19:24	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.9	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-4 (1'-2')**      **Lab ID: 40250229008**      Collected: 08/19/22 12:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.6	mg/kg	2.7	1.6	1	08/25/22 06:01	08/26/22 16:29	7440-38-2	
Barium	24.1	mg/kg	0.54	0.16	1	08/25/22 06:01	08/26/22 16:29	7440-39-3	
Cadmium	<0.14	mg/kg	0.54	0.14	1	08/25/22 06:01	08/26/22 16:29	7440-43-9	
Chromium	5.1	mg/kg	1.1	0.30	1	08/25/22 06:01	08/26/22 16:29	7440-47-3	
Lead	14.2	mg/kg	2.2	0.65	1	08/25/22 06:01	08/26/22 16:29	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	08/25/22 06:01	08/26/22 16:29	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	08/25/22 06:01	08/26/22 16:29	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.021J	mg/kg	0.038	0.011	1	08/25/22 08:19	08/26/22 07:47	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	22.8J	ug/kg	91.2	11.8	5	08/26/22 07:47	08/26/22 18:10	83-32-9	
Acenaphthylene	53.3J	ug/kg	91.2	11.5	5	08/26/22 07:47	08/26/22 18:10	208-96-8	
Anthracene	46.7J	ug/kg	91.2	11.3	5	08/26/22 07:47	08/26/22 18:10	120-12-7	
Benzo(a)anthracene	124	ug/kg	91.2	11.8	5	08/26/22 07:47	08/26/22 18:10	56-55-3	
Benzo(a)pyrene	106	ug/kg	91.2	10.4	5	08/26/22 07:47	08/26/22 18:10	50-32-8	
Benzo(b)fluoranthene	153	ug/kg	91.2	12.7	5	08/26/22 07:47	08/26/22 18:10	205-99-2	
Benzo(g,h,i)perylene	47.8J	ug/kg	91.2	16.0	5	08/26/22 07:47	08/26/22 18:10	191-24-2	
Benzo(k)fluoranthene	49.0J	ug/kg	91.2	11.7	5	08/26/22 07:47	08/26/22 18:10	207-08-9	
Chrysene	146	ug/kg	91.2	17.2	5	08/26/22 07:47	08/26/22 18:10	218-01-9	
Dibenz(a,h)anthracene	16.5J	ug/kg	91.2	12.6	5	08/26/22 07:47	08/26/22 18:10	53-70-3	
Fluoranthene	210	ug/kg	91.2	10.8	5	08/26/22 07:47	08/26/22 18:10	206-44-0	
Fluorene	38.6J	ug/kg	91.2	10.9	5	08/26/22 07:47	08/26/22 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	39.9J	ug/kg	91.2	19.0	5	08/26/22 07:47	08/26/22 18:10	193-39-5	
1-Methylnaphthalene	932	ug/kg	91.2	13.3	5	08/26/22 07:47	08/26/22 18:10	90-12-0	
2-Methylnaphthalene	1170	ug/kg	91.2	13.3	5	08/26/22 07:47	08/26/22 18:10	91-57-6	
Naphthalene	858	ug/kg	91.2	8.9	5	08/26/22 07:47	08/26/22 18:10	91-20-3	
Phenanthrene	547	ug/kg	91.2	10.4	5	08/26/22 07:47	08/26/22 18:10	85-01-8	
Pyrene	211	ug/kg	91.2	13.4	5	08/26/22 07:47	08/26/22 18:10	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	65	%	41-98		5	08/26/22 07:47	08/26/22 18:10	321-60-8	
Terphenyl-d14 (S)	75	%	37-106		5	08/26/22 07:47	08/26/22 18:10	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	24.2	ug/kg	23.7	14.1	1	08/26/22 10:00	08/26/22 17:58	71-43-2	
Bromobenzene	<23.1	ug/kg	59.3	23.1	1	08/26/22 10:00	08/26/22 17:58	108-86-1	
Bromochloromethane	<16.3	ug/kg	59.3	16.3	1	08/26/22 10:00	08/26/22 17:58	74-97-5	
Bromodichloromethane	<14.1	ug/kg	59.3	14.1	1	08/26/22 10:00	08/26/22 17:58	75-27-4	
Bromoform	<261	ug/kg	297	261	1	08/26/22 10:00	08/26/22 17:58	75-25-2	
Bromomethane	<83.2	ug/kg	297	83.2	1	08/26/22 10:00	08/26/22 17:58	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-4 (1'-2')**      **Lab ID: 40250229008**      Collected: 08/19/22 12:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<27.2	ug/kg	59.3	27.2	1	08/26/22 10:00	08/26/22 17:58	104-51-8	
sec-Butylbenzene	<14.5	ug/kg	59.3	14.5	1	08/26/22 10:00	08/26/22 17:58	135-98-8	
tert-Butylbenzene	<18.6	ug/kg	59.3	18.6	1	08/26/22 10:00	08/26/22 17:58	98-06-6	
Carbon tetrachloride	<13.0	ug/kg	59.3	13.0	1	08/26/22 10:00	08/26/22 17:58	56-23-5	
Chlorobenzene	<7.1	ug/kg	59.3	7.1	1	08/26/22 10:00	08/26/22 17:58	108-90-7	
Chloroethane	<25.0	ug/kg	297	25.0	1	08/26/22 10:00	08/26/22 17:58	75-00-3	
Chloroform	<42.5	ug/kg	297	42.5	1	08/26/22 10:00	08/26/22 17:58	67-66-3	
Chloromethane	<22.5	ug/kg	59.3	22.5	1	08/26/22 10:00	08/26/22 17:58	74-87-3	
2-Chlorotoluene	<19.2	ug/kg	59.3	19.2	1	08/26/22 10:00	08/26/22 17:58	95-49-8	
4-Chlorotoluene	<22.5	ug/kg	59.3	22.5	1	08/26/22 10:00	08/26/22 17:58	106-43-4	
1,2-Dibromo-3-chloropropane	<46.0	ug/kg	297	46.0	1	08/26/22 10:00	08/26/22 17:58	96-12-8	
Dibromochloromethane	<203	ug/kg	297	203	1	08/26/22 10:00	08/26/22 17:58	124-48-1	
1,2-Dibromoethane (EDB)	<16.3	ug/kg	59.3	16.3	1	08/26/22 10:00	08/26/22 17:58	106-93-4	
Dibromomethane	<17.6	ug/kg	59.3	17.6	1	08/26/22 10:00	08/26/22 17:58	74-95-3	
1,2-Dichlorobenzene	<18.4	ug/kg	59.3	18.4	1	08/26/22 10:00	08/26/22 17:58	95-50-1	
1,3-Dichlorobenzene	<16.3	ug/kg	59.3	16.3	1	08/26/22 10:00	08/26/22 17:58	541-73-1	
1,4-Dichlorobenzene	<16.3	ug/kg	59.3	16.3	1	08/26/22 10:00	08/26/22 17:58	106-46-7	
Dichlorodifluoromethane	<25.5	ug/kg	59.3	25.5	1	08/26/22 10:00	08/26/22 17:58	75-71-8	
1,1-Dichloroethane	<15.2	ug/kg	59.3	15.2	1	08/26/22 10:00	08/26/22 17:58	75-34-3	
1,2-Dichloroethane	<13.6	ug/kg	59.3	13.6	1	08/26/22 10:00	08/26/22 17:58	107-06-2	
1,1-Dichloroethene	<19.7	ug/kg	59.3	19.7	1	08/26/22 10:00	08/26/22 17:58	75-35-4	
cis-1,2-Dichloroethene	<12.7	ug/kg	59.3	12.7	1	08/26/22 10:00	08/26/22 17:58	156-59-2	
trans-1,2-Dichloroethene	<12.8	ug/kg	59.3	12.8	1	08/26/22 10:00	08/26/22 17:58	156-60-5	
1,2-Dichloropropane	<14.1	ug/kg	59.3	14.1	1	08/26/22 10:00	08/26/22 17:58	78-87-5	
1,3-Dichloropropane	<12.9	ug/kg	59.3	12.9	1	08/26/22 10:00	08/26/22 17:58	142-28-9	
2,2-Dichloropropane	<16.0	ug/kg	59.3	16.0	1	08/26/22 10:00	08/26/22 17:58	594-20-7	
1,1-Dichloropropene	<19.2	ug/kg	59.3	19.2	1	08/26/22 10:00	08/26/22 17:58	563-58-6	
cis-1,3-Dichloropropene	<39.1	ug/kg	297	39.1	1	08/26/22 10:00	08/26/22 17:58	10061-01-5	
trans-1,3-Dichloropropene	<170	ug/kg	297	170	1	08/26/22 10:00	08/26/22 17:58	10061-02-6	
Diisopropyl ether	<14.7	ug/kg	59.3	14.7	1	08/26/22 10:00	08/26/22 17:58	108-20-3	
Ethylbenzene	38.8J	ug/kg	59.3	14.1	1	08/26/22 10:00	08/26/22 17:58	100-41-4	
Hexachloro-1,3-butadiene	<118	ug/kg	297	118	1	08/26/22 10:00	08/26/22 17:58	87-68-3	
Isopropylbenzene (Cumene)	18.8J	ug/kg	59.3	16.0	1	08/26/22 10:00	08/26/22 17:58	98-82-8	
p-Isopropyltoluene	<18.0	ug/kg	59.3	18.0	1	08/26/22 10:00	08/26/22 17:58	99-87-6	
Methylene Chloride	<16.5	ug/kg	59.3	16.5	1	08/26/22 10:00	08/26/22 17:58	75-09-2	
Methyl-tert-butyl ether	<17.4	ug/kg	59.3	17.4	1	08/26/22 10:00	08/26/22 17:58	1634-04-4	
Naphthalene	101J	ug/kg	297	18.5	1	08/26/22 10:00	08/26/22 17:58	91-20-3	
n-Propylbenzene	27.2J	ug/kg	59.3	14.2	1	08/26/22 10:00	08/26/22 17:58	103-65-1	
Styrene	<15.2	ug/kg	59.3	15.2	1	08/26/22 10:00	08/26/22 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	<14.2	ug/kg	59.3	14.2	1	08/26/22 10:00	08/26/22 17:58	630-20-6	
1,1,1,2,2-Tetrachloroethane	<21.5	ug/kg	59.3	21.5	1	08/26/22 10:00	08/26/22 17:58	79-34-5	
Tetrachloroethene	<23.0	ug/kg	59.3	23.0	1	08/26/22 10:00	08/26/22 17:58	127-18-4	
Toluene	141	ug/kg	59.3	14.9	1	08/26/22 10:00	08/26/22 17:58	108-88-3	
1,2,3-Trichlorobenzene	<66.1	ug/kg	297	66.1	1	08/26/22 10:00	08/26/22 17:58	87-61-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-4 (1'-2')**      **Lab ID: 40250229008**      Collected: 08/19/22 12:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<48.9	ug/kg	297	48.9	1	08/26/22 10:00	08/26/22 17:58	120-82-1	
1,1,1-Trichloroethane	<15.2	ug/kg	59.3	15.2	1	08/26/22 10:00	08/26/22 17:58	71-55-6	
1,1,2-Trichloroethane	<21.6	ug/kg	59.3	21.6	1	08/26/22 10:00	08/26/22 17:58	79-00-5	
Trichloroethene	<22.2	ug/kg	59.3	22.2	1	08/26/22 10:00	08/26/22 17:58	79-01-6	
Trichlorofluoromethane	<17.2	ug/kg	59.3	17.2	1	08/26/22 10:00	08/26/22 17:58	75-69-4	
1,2,3-Trichloropropane	<28.8	ug/kg	59.3	28.8	1	08/26/22 10:00	08/26/22 17:58	96-18-4	
1,2,4-Trimethylbenzene	32.5J	ug/kg	59.3	17.7	1	08/26/22 10:00	08/26/22 17:58	95-63-6	
1,3,5-Trimethylbenzene	<19.1	ug/kg	59.3	19.1	1	08/26/22 10:00	08/26/22 17:58	108-67-8	
Vinyl chloride	<12.0	ug/kg	59.3	12.0	1	08/26/22 10:00	08/26/22 17:58	75-01-4	
Xylene (Total)	179	ug/kg	178	42.8	1	08/26/22 10:00	08/26/22 17:58	1330-20-7	
m&p-Xylene	104J	ug/kg	119	25.0	1	08/26/22 10:00	08/26/22 17:58	179601-23-1	
o-Xylene	74.4	ug/kg	59.3	17.8	1	08/26/22 10:00	08/26/22 17:58	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	109	%	69-153		1	08/26/22 10:00	08/26/22 17:58	2037-26-5	
4-Bromofluorobenzene (S)	129	%	68-156		1	08/26/22 10:00	08/26/22 17:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	71-161		1	08/26/22 10:00	08/26/22 17:58	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.5	%	0.10	0.10	1		08/24/22 16:38		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-4 (2'-3')**      **Lab ID: 40250229009**      Collected: 08/19/22 12:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>87.9</b>	mg/kg	34.1	20.0	10	08/25/22 06:01	08/29/22 17:43	7440-38-2	
Barium	<b>23.9</b>	mg/kg	6.8	2.0	10	08/25/22 06:01	08/29/22 17:43	7440-39-3	
Cadmium	<b>&lt;1.8</b>	mg/kg	6.8	1.8	10	08/25/22 06:01	08/29/22 17:43	7440-43-9	D3
Chromium	<b>20.1</b>	mg/kg	13.6	3.8	10	08/25/22 06:01	08/29/22 17:43	7440-47-3	
Lead	<b>23.8J</b>	mg/kg	27.2	8.2	10	08/25/22 06:01	08/29/22 17:43	7439-92-1	D3
Selenium	<b>&lt;17.8</b>	mg/kg	54.5	17.8	10	08/25/22 06:01	08/29/22 17:43	7782-49-2	D3
Silver	<b>&lt;4.2</b>	mg/kg	13.6	4.2	10	08/25/22 06:01	08/29/22 17:43	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.093</b>	mg/kg	0.043	0.012	1	08/25/22 08:19	08/26/22 07:49	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>186</b>	ug/kg	115	15.0	5	08/26/22 07:47	08/29/22 12:19	83-32-9	
Acenaphthylene	<b>55.6J</b>	ug/kg	115	14.5	5	08/26/22 07:47	08/29/22 12:19	208-96-8	
Anthracene	<b>352</b>	ug/kg	115	14.3	5	08/26/22 07:47	08/29/22 12:19	120-12-7	
Benzo(a)anthracene	<b>355</b>	ug/kg	115	14.9	5	08/26/22 07:47	08/29/22 12:19	56-55-3	
Benzo(a)pyrene	<b>253</b>	ug/kg	115	13.1	5	08/26/22 07:47	08/29/22 12:19	50-32-8	
Benzo(b)fluoranthene	<b>344</b>	ug/kg	115	16.0	5	08/26/22 07:47	08/29/22 12:19	205-99-2	
Benzo(g,h,i)perylene	<b>143</b>	ug/kg	115	20.2	5	08/26/22 07:47	08/29/22 12:19	191-24-2	
Benzo(k)fluoranthene	<b>140</b>	ug/kg	115	14.7	5	08/26/22 07:47	08/29/22 12:19	207-08-9	
Chrysene	<b>424</b>	ug/kg	115	21.8	5	08/26/22 07:47	08/29/22 12:19	218-01-9	
Dibenz(a,h)anthracene	<b>52.8J</b>	ug/kg	115	16.0	5	08/26/22 07:47	08/29/22 12:19	53-70-3	
Fluoranthene	<b>838</b>	ug/kg	115	13.6	5	08/26/22 07:47	08/29/22 12:19	206-44-0	
Fluorene	<b>200</b>	ug/kg	115	13.8	5	08/26/22 07:47	08/29/22 12:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>121</b>	ug/kg	115	24.0	5	08/26/22 07:47	08/29/22 12:19	193-39-5	
1-Methylnaphthalene	<b>833</b>	ug/kg	115	16.8	5	08/26/22 07:47	08/29/22 12:19	90-12-0	
2-Methylnaphthalene	<b>1060</b>	ug/kg	115	16.9	5	08/26/22 07:47	08/29/22 12:19	91-57-6	
Naphthalene	<b>779</b>	ug/kg	115	11.2	5	08/26/22 07:47	08/29/22 12:19	91-20-3	
Phenanthrene	<b>1510</b>	ug/kg	115	13.2	5	08/26/22 07:47	08/29/22 12:19	85-01-8	
Pyrene	<b>604</b>	ug/kg	115	17.0	5	08/26/22 07:47	08/29/22 12:19	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	41-98		5	08/26/22 07:47	08/29/22 12:19	321-60-8	
Terphenyl-d14 (S)	60	%	37-106		5	08/26/22 07:47	08/29/22 12:19	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;21.1</b>	ug/kg	35.5	21.1	1	08/26/22 10:00	08/26/22 18:17	71-43-2	
Bromobenzene	<b>&lt;34.6</b>	ug/kg	88.8	34.6	1	08/26/22 10:00	08/26/22 18:17	108-86-1	
Bromochloromethane	<b>&lt;24.3</b>	ug/kg	88.8	24.3	1	08/26/22 10:00	08/26/22 18:17	74-97-5	
Bromodichloromethane	<b>&lt;21.1</b>	ug/kg	88.8	21.1	1	08/26/22 10:00	08/26/22 18:17	75-27-4	
Bromoform	<b>&lt;391</b>	ug/kg	444	391	1	08/26/22 10:00	08/26/22 18:17	75-25-2	
Bromomethane	<b>&lt;124</b>	ug/kg	444	124	1	08/26/22 10:00	08/26/22 18:17	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-4 (2'-3')**      **Lab ID: 40250229009**      Collected: 08/19/22 12:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<40.7	ug/kg	88.8	40.7	1	08/26/22 10:00	08/26/22 18:17	104-51-8	
sec-Butylbenzene	<21.7	ug/kg	88.8	21.7	1	08/26/22 10:00	08/26/22 18:17	135-98-8	
tert-Butylbenzene	<27.9	ug/kg	88.8	27.9	1	08/26/22 10:00	08/26/22 18:17	98-06-6	
Carbon tetrachloride	<19.5	ug/kg	88.8	19.5	1	08/26/22 10:00	08/26/22 18:17	56-23-5	
Chlorobenzene	<10.6	ug/kg	88.8	10.6	1	08/26/22 10:00	08/26/22 18:17	108-90-7	
Chloroethane	<37.5	ug/kg	444	37.5	1	08/26/22 10:00	08/26/22 18:17	75-00-3	
Chloroform	<63.6	ug/kg	444	63.6	1	08/26/22 10:00	08/26/22 18:17	67-66-3	
Chloromethane	<33.7	ug/kg	88.8	33.7	1	08/26/22 10:00	08/26/22 18:17	74-87-3	
2-Chlorotoluene	<28.8	ug/kg	88.8	28.8	1	08/26/22 10:00	08/26/22 18:17	95-49-8	
4-Chlorotoluene	<33.7	ug/kg	88.8	33.7	1	08/26/22 10:00	08/26/22 18:17	106-43-4	
1,2-Dibromo-3-chloropropane	<68.9	ug/kg	444	68.9	1	08/26/22 10:00	08/26/22 18:17	96-12-8	
Dibromochloromethane	<303	ug/kg	444	303	1	08/26/22 10:00	08/26/22 18:17	124-48-1	
1,2-Dibromoethane (EDB)	<24.3	ug/kg	88.8	24.3	1	08/26/22 10:00	08/26/22 18:17	106-93-4	
Dibromomethane	<26.3	ug/kg	88.8	26.3	1	08/26/22 10:00	08/26/22 18:17	74-95-3	
1,2-Dichlorobenzene	<27.5	ug/kg	88.8	27.5	1	08/26/22 10:00	08/26/22 18:17	95-50-1	
1,3-Dichlorobenzene	<24.3	ug/kg	88.8	24.3	1	08/26/22 10:00	08/26/22 18:17	541-73-1	
1,4-Dichlorobenzene	<24.3	ug/kg	88.8	24.3	1	08/26/22 10:00	08/26/22 18:17	106-46-7	
Dichlorodifluoromethane	<38.2	ug/kg	88.8	38.2	1	08/26/22 10:00	08/26/22 18:17	75-71-8	
1,1-Dichloroethane	<22.7	ug/kg	88.8	22.7	1	08/26/22 10:00	08/26/22 18:17	75-34-3	
1,2-Dichloroethane	<20.4	ug/kg	88.8	20.4	1	08/26/22 10:00	08/26/22 18:17	107-06-2	
1,1-Dichloroethene	<29.5	ug/kg	88.8	29.5	1	08/26/22 10:00	08/26/22 18:17	75-35-4	
cis-1,2-Dichloroethene	<19.0	ug/kg	88.8	19.0	1	08/26/22 10:00	08/26/22 18:17	156-59-2	
trans-1,2-Dichloroethene	<19.2	ug/kg	88.8	19.2	1	08/26/22 10:00	08/26/22 18:17	156-60-5	
1,2-Dichloropropane	<21.1	ug/kg	88.8	21.1	1	08/26/22 10:00	08/26/22 18:17	78-87-5	
1,3-Dichloropropane	<19.3	ug/kg	88.8	19.3	1	08/26/22 10:00	08/26/22 18:17	142-28-9	
2,2-Dichloropropane	<24.0	ug/kg	88.8	24.0	1	08/26/22 10:00	08/26/22 18:17	594-20-7	
1,1-Dichloropropene	<28.8	ug/kg	88.8	28.8	1	08/26/22 10:00	08/26/22 18:17	563-58-6	
cis-1,3-Dichloropropene	<58.6	ug/kg	444	58.6	1	08/26/22 10:00	08/26/22 18:17	10061-01-5	
trans-1,3-Dichloropropene	<254	ug/kg	444	254	1	08/26/22 10:00	08/26/22 18:17	10061-02-6	
Diisopropyl ether	<22.0	ug/kg	88.8	22.0	1	08/26/22 10:00	08/26/22 18:17	108-20-3	
Ethylbenzene	<21.1	ug/kg	88.8	21.1	1	08/26/22 10:00	08/26/22 18:17	100-41-4	
Hexachloro-1,3-butadiene	<176	ug/kg	444	176	1	08/26/22 10:00	08/26/22 18:17	87-68-3	
Isopropylbenzene (Cumene)	<24.0	ug/kg	88.8	24.0	1	08/26/22 10:00	08/26/22 18:17	98-82-8	
p-Isopropyltoluene	<27.0	ug/kg	88.8	27.0	1	08/26/22 10:00	08/26/22 18:17	99-87-6	
Methylene Chloride	<24.7	ug/kg	88.8	24.7	1	08/26/22 10:00	08/26/22 18:17	75-09-2	
Methyl-tert-butyl ether	<26.1	ug/kg	88.8	26.1	1	08/26/22 10:00	08/26/22 18:17	1634-04-4	
Naphthalene	<27.7	ug/kg	444	27.7	1	08/26/22 10:00	08/26/22 18:17	91-20-3	
n-Propylbenzene	<21.3	ug/kg	88.8	21.3	1	08/26/22 10:00	08/26/22 18:17	103-65-1	
Styrene	<22.7	ug/kg	88.8	22.7	1	08/26/22 10:00	08/26/22 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	<21.3	ug/kg	88.8	21.3	1	08/26/22 10:00	08/26/22 18:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	<32.1	ug/kg	88.8	32.1	1	08/26/22 10:00	08/26/22 18:17	79-34-5	
Tetrachloroethene	<34.4	ug/kg	88.8	34.4	1	08/26/22 10:00	08/26/22 18:17	127-18-4	
Toluene	<22.4	ug/kg	88.8	22.4	1	08/26/22 10:00	08/26/22 18:17	108-88-3	
1,2,3-Trichlorobenzene	<98.9	ug/kg	444	98.9	1	08/26/22 10:00	08/26/22 18:17	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-4 (2'-3')**      **Lab ID: 40250229009**      Collected: 08/19/22 12:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<73.1	ug/kg	444	73.1	1	08/26/22 10:00	08/26/22 18:17	120-82-1	
1,1,1-Trichloroethane	<22.7	ug/kg	88.8	22.7	1	08/26/22 10:00	08/26/22 18:17	71-55-6	
1,1,2-Trichloroethane	<32.3	ug/kg	88.8	32.3	1	08/26/22 10:00	08/26/22 18:17	79-00-5	
Trichloroethene	<33.2	ug/kg	88.8	33.2	1	08/26/22 10:00	08/26/22 18:17	79-01-6	
Trichlorofluoromethane	<25.7	ug/kg	88.8	25.7	1	08/26/22 10:00	08/26/22 18:17	75-69-4	
1,2,3-Trichloropropane	<43.1	ug/kg	88.8	43.1	1	08/26/22 10:00	08/26/22 18:17	96-18-4	
1,2,4-Trimethylbenzene	<26.5	ug/kg	88.8	26.5	1	08/26/22 10:00	08/26/22 18:17	95-63-6	
1,3,5-Trimethylbenzene	<28.6	ug/kg	88.8	28.6	1	08/26/22 10:00	08/26/22 18:17	108-67-8	
Vinyl chloride	<17.9	ug/kg	88.8	17.9	1	08/26/22 10:00	08/26/22 18:17	75-01-4	
Xylene (Total)	<64.1	ug/kg	266	64.1	1	08/26/22 10:00	08/26/22 18:17	1330-20-7	
m&p-Xylene	<37.5	ug/kg	178	37.5	1	08/26/22 10:00	08/26/22 18:17	179601-23-1	
o-Xylene	<26.6	ug/kg	88.8	26.6	1	08/26/22 10:00	08/26/22 18:17	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	113	%	69-153		1	08/26/22 10:00	08/26/22 18:17	2037-26-5	
4-Bromofluorobenzene (S)	139	%	68-156		1	08/26/22 10:00	08/26/22 18:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		1	08/26/22 10:00	08/26/22 18:17	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.6	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-5 (1'-2')**      **Lab ID: 40250229010**      Collected: 08/19/22 12:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	12674-11-2	
PCB-1221 (Aroclor 1221)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	11104-28-2	
PCB-1232 (Aroclor 1232)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	11141-16-5	
PCB-1242 (Aroclor 1242)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	53469-21-9	
PCB-1248 (Aroclor 1248)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	12672-29-6	
PCB-1254 (Aroclor 1254)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	11097-69-1	
PCB-1260 (Aroclor 1260)	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	11096-82-5	
PCB, Total	<17.1	ug/kg	56.1	17.1	1	08/24/22 07:03	08/25/22 10:53	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	56	%	50-99		1	08/24/22 07:03	08/25/22 10:53	877-09-8	
Decachlorobiphenyl (S)	61	%	38-95		1	08/24/22 07:03	08/25/22 10:53	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	6.4	mg/kg	2.8	1.6	1	08/25/22 06:01	08/26/22 16:34	7440-38-2	
Barium	36.6	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 16:34	7440-39-3	
Cadmium	0.17J	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 16:34	7440-43-9	
Chromium	8.2	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 16:34	7440-47-3	
Lead	45.0	mg/kg	2.2	0.67	1	08/25/22 06:01	08/26/22 16:34	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 16:34	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	08/25/22 06:01	08/26/22 16:34	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.046	mg/kg	0.038	0.011	1	08/25/22 08:19	08/26/22 07:52	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	52.6J	ug/kg	375	48.6	20	08/26/22 07:47	08/26/22 19:52	83-32-9	
Acenaphthylene	123J	ug/kg	375	47.2	20	08/26/22 07:47	08/26/22 19:52	208-96-8	
Anthracene	113J	ug/kg	375	46.5	20	08/26/22 07:47	08/26/22 19:52	120-12-7	
Benzo(a)anthracene	273J	ug/kg	375	48.4	20	08/26/22 07:47	08/26/22 19:52	56-55-3	
Benzo(a)pyrene	119J	ug/kg	375	42.6	20	08/26/22 07:47	08/26/22 19:52	50-32-8	
Benzo(b)fluoranthene	177J	ug/kg	375	52.0	20	08/26/22 07:47	08/26/22 19:52	205-99-2	
Benzo(g,h,i)perylene	<65.8	ug/kg	375	65.8	20	08/26/22 07:47	08/26/22 19:52	191-24-2	
Benzo(k)fluoranthene	63.9J	ug/kg	375	47.9	20	08/26/22 07:47	08/26/22 19:52	207-08-9	
Chrysene	321J	ug/kg	375	70.7	20	08/26/22 07:47	08/26/22 19:52	218-01-9	
Dibenz(a,h)anthracene	<51.9	ug/kg	375	51.9	20	08/26/22 07:47	08/26/22 19:52	53-70-3	
Fluoranthene	262J	ug/kg	375	44.4	20	08/26/22 07:47	08/26/22 19:52	206-44-0	
Fluorene	59.6J	ug/kg	375	44.9	20	08/26/22 07:47	08/26/22 19:52	86-73-7	
Indeno(1,2,3-cd)pyrene	<78.1	ug/kg	375	78.1	20	08/26/22 07:47	08/26/22 19:52	193-39-5	
1-Methylnaphthalene	3840	ug/kg	375	54.7	20	08/26/22 07:47	08/26/22 19:52	90-12-0	
2-Methylnaphthalene	4710	ug/kg	375	54.8	20	08/26/22 07:47	08/26/22 19:52	91-57-6	
Naphthalene	3430	ug/kg	375	36.5	20	08/26/22 07:47	08/26/22 19:52	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-5 (1'-2')**      **Lab ID: 40250229010**      Collected: 08/19/22 12:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM      Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<b>1800</b>	ug/kg	375	42.9	20	08/26/22 07:47	08/26/22 19:52	85-01-8	
Pyrene	<b>362J</b>	ug/kg	375	55.1	20	08/26/22 07:47	08/26/22 19:52	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	45	%	41-98		20	08/26/22 07:47	08/26/22 19:52	321-60-8	
Terphenyl-d14 (S)	60	%	37-106		20	08/26/22 07:47	08/26/22 19:52	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>10.9</b>	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-5 (3'-4')**      **Lab ID: 40250229011**      Collected: 08/19/22 12:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	11096-82-5	
PCB, Total	<18.7	ug/kg	61.5	18.7	1	08/24/22 07:03	08/25/22 11:15	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	68	%	50-99		1	08/24/22 07:03	08/25/22 11:15	877-09-8	
Decachlorobiphenyl (S)	69	%	38-95		1	08/24/22 07:03	08/25/22 11:15	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.1J	mg/kg	3.0	1.7	1	08/25/22 06:01	08/26/22 16:37	7440-38-2	
Barium	22.9	mg/kg	0.59	0.18	1	08/25/22 06:01	08/26/22 16:37	7440-39-3	
Cadmium	<0.16	mg/kg	0.59	0.16	1	08/25/22 06:01	08/26/22 16:37	7440-43-9	
Chromium	15.6	mg/kg	1.2	0.33	1	08/25/22 06:01	08/26/22 16:37	7440-47-3	
Lead	4.9	mg/kg	2.4	0.71	1	08/25/22 06:01	08/26/22 16:37	7439-92-1	
Selenium	<1.5	mg/kg	4.7	1.5	1	08/25/22 06:01	08/26/22 16:37	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	08/25/22 06:01	08/26/22 16:37	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.015J	mg/kg	0.039	0.011	1	08/25/22 08:19	08/26/22 07:54	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.7	ug/kg	20.6	2.7	1	08/26/22 07:47	08/26/22 16:43	83-32-9	
Acenaphthylene	<2.6	ug/kg	20.6	2.6	1	08/26/22 07:47	08/26/22 16:43	208-96-8	
Anthracene	<2.6	ug/kg	20.6	2.6	1	08/26/22 07:47	08/26/22 16:43	120-12-7	
Benzo(a)anthracene	<2.7	ug/kg	20.6	2.7	1	08/26/22 07:47	08/26/22 16:43	56-55-3	
Benzo(a)pyrene	<2.3	ug/kg	20.6	2.3	1	08/26/22 07:47	08/26/22 16:43	50-32-8	
Benzo(b)fluoranthene	<2.9	ug/kg	20.6	2.9	1	08/26/22 07:47	08/26/22 16:43	205-99-2	
Benzo(g,h,i)perylene	<3.6	ug/kg	20.6	3.6	1	08/26/22 07:47	08/26/22 16:43	191-24-2	
Benzo(k)fluoranthene	<2.6	ug/kg	20.6	2.6	1	08/26/22 07:47	08/26/22 16:43	207-08-9	
Chrysene	<3.9	ug/kg	20.6	3.9	1	08/26/22 07:47	08/26/22 16:43	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	20.6	2.9	1	08/26/22 07:47	08/26/22 16:43	53-70-3	
Fluoranthene	<2.4	ug/kg	20.6	2.4	1	08/26/22 07:47	08/26/22 16:43	206-44-0	
Fluorene	<2.5	ug/kg	20.6	2.5	1	08/26/22 07:47	08/26/22 16:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.3	ug/kg	20.6	4.3	1	08/26/22 07:47	08/26/22 16:43	193-39-5	
1-Methylnaphthalene	<3.0	ug/kg	20.6	3.0	1	08/26/22 07:47	08/26/22 16:43	90-12-0	
2-Methylnaphthalene	<3.0	ug/kg	20.6	3.0	1	08/26/22 07:47	08/26/22 16:43	91-57-6	
Naphthalene	<2.0	ug/kg	20.6	2.0	1	08/26/22 07:47	08/26/22 16:43	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-5 (3'-4')**      **Lab ID: 40250229011**      Collected: 08/19/22 12:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<2.4	ug/kg	20.6	2.4	1	08/26/22 07:47	08/26/22 16:43	85-01-8	
Pyrene	<3.0	ug/kg	20.6	3.0	1	08/26/22 07:47	08/26/22 16:43	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	41-98		1	08/26/22 07:47	08/26/22 16:43	321-60-8	
Terphenyl-d14 (S)	68	%	37-106		1	08/26/22 07:47	08/26/22 16:43	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.9	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-6 (1'-2')**      **Lab ID: 40250229012**      Collected: 08/19/22 12:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	12674-11-2	
PCB-1221 (Aroclor 1221)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	11104-28-2	
PCB-1232 (Aroclor 1232)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	11141-16-5	
PCB-1242 (Aroclor 1242)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	53469-21-9	
PCB-1248 (Aroclor 1248)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	12672-29-6	
PCB-1254 (Aroclor 1254)	<16.4	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	11097-69-1	
PCB-1260 (Aroclor 1260)	19.0J	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	11096-82-5	
PCB, Total	19.0J	ug/kg	53.9	16.4	1	08/24/22 07:03	08/25/22 11:37	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	51	%	50-99		1	08/24/22 07:03	08/25/22 11:37	877-09-8	
Decachlorobiphenyl (S)	57	%	38-95		1	08/24/22 07:03	08/25/22 11:37	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	16.2	mg/kg	2.5	1.4	1	08/25/22 06:01	08/26/22 16:44	7440-38-2	
Barium	92.6	mg/kg	0.49	0.15	1	08/25/22 06:01	08/26/22 16:44	7440-39-3	
Cadmium	0.40J	mg/kg	0.49	0.13	1	08/25/22 06:01	08/26/22 16:44	7440-43-9	
Chromium	24.7	mg/kg	0.99	0.27	1	08/25/22 06:01	08/26/22 16:44	7440-47-3	
Lead	318	mg/kg	2.0	0.59	1	08/25/22 06:01	08/26/22 16:44	7439-92-1	
Selenium	3.0J	mg/kg	3.9	1.3	1	08/25/22 06:01	08/26/22 16:44	7782-49-2	
Silver	0.48J	mg/kg	0.99	0.30	1	08/25/22 06:01	08/26/22 16:44	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.12	mg/kg	0.035	0.010	1	08/25/22 08:19	08/26/22 07:56	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	29.4J	ug/kg	90.3	11.7	5	08/26/22 07:47	08/26/22 19:35	83-32-9	
Acenaphthylene	57.8J	ug/kg	90.3	11.4	5	08/26/22 07:47	08/26/22 19:35	208-96-8	
Anthracene	65.8J	ug/kg	90.3	11.2	5	08/26/22 07:47	08/26/22 19:35	120-12-7	
Benzo(a)anthracene	136	ug/kg	90.3	11.7	5	08/26/22 07:47	08/26/22 19:35	56-55-3	
Benzo(a)pyrene	77.1J	ug/kg	90.3	10.3	5	08/26/22 07:47	08/26/22 19:35	50-32-8	
Benzo(b)fluoranthene	148	ug/kg	90.3	12.5	5	08/26/22 07:47	08/26/22 19:35	205-99-2	
Benzo(g,h,i)perylene	34.6J	ug/kg	90.3	15.8	5	08/26/22 07:47	08/26/22 19:35	191-24-2	
Benzo(k)fluoranthene	45.4J	ug/kg	90.3	11.5	5	08/26/22 07:47	08/26/22 19:35	207-08-9	
Chrysene	181	ug/kg	90.3	17.0	5	08/26/22 07:47	08/26/22 19:35	218-01-9	
Dibenz(a,h)anthracene	16.1J	ug/kg	90.3	12.5	5	08/26/22 07:47	08/26/22 19:35	53-70-3	
Fluoranthene	172	ug/kg	90.3	10.7	5	08/26/22 07:47	08/26/22 19:35	206-44-0	
Fluorene	31.9J	ug/kg	90.3	10.8	5	08/26/22 07:47	08/26/22 19:35	86-73-7	
Indeno(1,2,3-cd)pyrene	30.2J	ug/kg	90.3	18.8	5	08/26/22 07:47	08/26/22 19:35	193-39-5	
1-Methylnaphthalene	1610	ug/kg	90.3	13.2	5	08/26/22 07:47	08/26/22 19:35	90-12-0	
2-Methylnaphthalene	1970	ug/kg	90.3	13.2	5	08/26/22 07:47	08/26/22 19:35	91-57-6	
Naphthalene	1430	ug/kg	90.3	8.8	5	08/26/22 07:47	08/26/22 19:35	91-20-3	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-6 (1'-2')**      **Lab ID: 40250229012**      Collected: 08/19/22 12:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM      Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<b>846</b>	ug/kg	90.3	10.3	5	08/26/22 07:47	08/26/22 19:35	85-01-8	
Pyrene	<b>204</b>	ug/kg	90.3	13.3	5	08/26/22 07:47	08/26/22 19:35	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	41-98		5	08/26/22 07:47	08/26/22 19:35	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		5	08/26/22 07:47	08/26/22 19:35	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>7.5</b>	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-6 (2'-3')**      **Lab ID: 40250229013**      Collected: 08/19/22 12:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	11096-82-5	
PCB, Total	<18.1	ug/kg	59.6	18.1	1	08/24/22 07:03	08/25/22 11:58	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	53	%	50-99		1	08/24/22 07:03	08/25/22 11:58	877-09-8	
Decachlorobiphenyl (S)	59	%	38-95		1	08/24/22 07:03	08/25/22 11:58	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	11.3	mg/kg	2.8	1.7	1	08/25/22 06:01	08/26/22 16:46	7440-38-2	
Barium	110	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 16:46	7440-39-3	
Cadmium	0.58	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 16:46	7440-43-9	
Chromium	10.7	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 16:46	7440-47-3	
Lead	162	mg/kg	2.3	0.68	1	08/25/22 06:01	08/26/22 16:46	7439-92-1	
Selenium	2.2J	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 16:46	7782-49-2	
Silver	0.36J	mg/kg	1.1	0.35	1	08/25/22 06:01	08/26/22 16:46	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.043	mg/kg	0.040	0.012	1	08/25/22 08:19	08/26/22 08:03	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<10.3	ug/kg	79.5	10.3	4	08/26/22 07:47	08/26/22 18:27	83-32-9	
Acenaphthylene	57.6J	ug/kg	79.5	10.0	4	08/26/22 07:47	08/26/22 18:27	208-96-8	
Anthracene	43.1J	ug/kg	79.5	9.9	4	08/26/22 07:47	08/26/22 18:27	120-12-7	
Benzo(a)anthracene	97.7	ug/kg	79.5	10.3	4	08/26/22 07:47	08/26/22 18:27	56-55-3	
Benzo(a)pyrene	61.9J	ug/kg	79.5	9.0	4	08/26/22 07:47	08/26/22 18:27	50-32-8	
Benzo(b)fluoranthene	186	ug/kg	79.5	11.0	4	08/26/22 07:47	08/26/22 18:27	205-99-2	
Benzo(g,h,i)perylene	64.1J	ug/kg	79.5	13.9	4	08/26/22 07:47	08/26/22 18:27	191-24-2	
Benzo(k)fluoranthene	58.2J	ug/kg	79.5	10.2	4	08/26/22 07:47	08/26/22 18:27	207-08-9	
Chrysene	188	ug/kg	79.5	15.0	4	08/26/22 07:47	08/26/22 18:27	218-01-9	
Dibenz(a,h)anthracene	21.2J	ug/kg	79.5	11.0	4	08/26/22 07:47	08/26/22 18:27	53-70-3	
Fluoranthene	221	ug/kg	79.5	9.4	4	08/26/22 07:47	08/26/22 18:27	206-44-0	
Fluorene	19.0J	ug/kg	79.5	9.5	4	08/26/22 07:47	08/26/22 18:27	86-73-7	
Indeno(1,2,3-cd)pyrene	51.5J	ug/kg	79.5	16.6	4	08/26/22 07:47	08/26/22 18:27	193-39-5	
1-Methylnaphthalene	741	ug/kg	79.5	11.6	4	08/26/22 07:47	08/26/22 18:27	90-12-0	
2-Methylnaphthalene	909	ug/kg	79.5	11.6	4	08/26/22 07:47	08/26/22 18:27	91-57-6	
Naphthalene	701	ug/kg	79.5	7.7	4	08/26/22 07:47	08/26/22 18:27	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-6 (2'-3')**      **Lab ID: 40250229013**      Collected: 08/19/22 12:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<b>573</b>	ug/kg	79.5	9.1	4	08/26/22 07:47	08/26/22 18:27	85-01-8	
Pyrene	<b>191</b>	ug/kg	79.5	11.7	4	08/26/22 07:47	08/26/22 18:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	41-98		4	08/26/22 07:47	08/26/22 18:27	321-60-8	
Terphenyl-d14 (S)	63	%	37-106		4	08/26/22 07:47	08/26/22 18:27	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>16.0</b>	%	0.10	0.10	1		08/24/22 16:38		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-7 (1'-2')**      **Lab ID: 40250229014**      Collected: 08/19/22 13:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	12674-11-2	
PCB-1221 (Aroclor 1221)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	11104-28-2	
PCB-1232 (Aroclor 1232)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	11141-16-5	
PCB-1242 (Aroclor 1242)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	53469-21-9	
PCB-1248 (Aroclor 1248)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	12672-29-6	
PCB-1254 (Aroclor 1254)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	11097-69-1	
PCB-1260 (Aroclor 1260)	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	11096-82-5	
PCB, Total	<16.8	ug/kg	55.0	16.8	1	08/24/22 07:03	08/25/22 12:20	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	59	%	50-99		1	08/24/22 07:03	08/25/22 12:20	877-09-8	
Decachlorobiphenyl (S)	63	%	38-95		1	08/24/22 07:03	08/25/22 12:20	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.6	mg/kg	2.7	1.6	1	08/25/22 06:01	08/26/22 16:49	7440-38-2	
Barium	24.6	mg/kg	0.54	0.16	1	08/25/22 06:01	08/26/22 16:49	7440-39-3	
Cadmium	0.69	mg/kg	0.54	0.14	1	08/25/22 06:01	08/26/22 16:49	7440-43-9	
Chromium	9.4	mg/kg	1.1	0.30	1	08/25/22 06:01	08/26/22 16:49	7440-47-3	
Lead	50.9	mg/kg	2.2	0.65	1	08/25/22 06:01	08/26/22 16:49	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	08/25/22 06:01	08/26/22 16:49	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	08/25/22 06:01	08/26/22 16:49	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.15	mg/kg	0.035	0.010	1	08/25/22 08:19	08/26/22 08:06	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.4	ug/kg	18.4	2.4	1	08/26/22 07:47	08/26/22 17:01	83-32-9	
Acenaphthylene	<2.3	ug/kg	18.4	2.3	1	08/26/22 07:47	08/26/22 17:01	208-96-8	
Anthracene	3.4J	ug/kg	18.4	2.3	1	08/26/22 07:47	08/26/22 17:01	120-12-7	
Benzo(a)anthracene	8.0J	ug/kg	18.4	2.4	1	08/26/22 07:47	08/26/22 17:01	56-55-3	
Benzo(a)pyrene	7.8J	ug/kg	18.4	2.1	1	08/26/22 07:47	08/26/22 17:01	50-32-8	
Benzo(b)fluoranthene	9.7J	ug/kg	18.4	2.6	1	08/26/22 07:47	08/26/22 17:01	205-99-2	
Benzo(g,h,i)perylene	4.5J	ug/kg	18.4	3.2	1	08/26/22 07:47	08/26/22 17:01	191-24-2	
Benzo(k)fluoranthene	4.6J	ug/kg	18.4	2.3	1	08/26/22 07:47	08/26/22 17:01	207-08-9	
Chrysene	13.3J	ug/kg	18.4	3.5	1	08/26/22 07:47	08/26/22 17:01	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	18.4	2.5	1	08/26/22 07:47	08/26/22 17:01	53-70-3	
Fluoranthene	18.0J	ug/kg	18.4	2.2	1	08/26/22 07:47	08/26/22 17:01	206-44-0	
Fluorene	<2.2	ug/kg	18.4	2.2	1	08/26/22 07:47	08/26/22 17:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.8	ug/kg	18.4	3.8	1	08/26/22 07:47	08/26/22 17:01	193-39-5	
1-Methylnaphthalene	10.2J	ug/kg	18.4	2.7	1	08/26/22 07:47	08/26/22 17:01	90-12-0	
2-Methylnaphthalene	13.0J	ug/kg	18.4	2.7	1	08/26/22 07:47	08/26/22 17:01	91-57-6	
Naphthalene	9.6J	ug/kg	18.4	1.8	1	08/26/22 07:47	08/26/22 17:01	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-7 (1'-2')**      **Lab ID: 40250229014**      Collected: 08/19/22 13:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM      Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<b>17.3J</b>	ug/kg	18.4	2.1	1	08/26/22 07:47	08/26/22 17:01	85-01-8	
Pyrene	<b>25.9</b>	ug/kg	18.4	2.7	1	08/26/22 07:47	08/26/22 17:01	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	59	%	41-98		1	08/26/22 07:47	08/26/22 17:01	321-60-8	
Terphenyl-d14 (S)	75	%	37-106		1	08/26/22 07:47	08/26/22 17:01	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>9.2</b>	%	0.10	0.10	1		08/25/22 11:53		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-7 (3'-4')**      **Lab ID: 40250229015**      Collected: 08/19/22 13:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	11096-82-5	
PCB, Total	<18.7	ug/kg	61.3	18.7	1	08/24/22 07:03	08/25/22 12:42	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	64	%	50-99		1	08/24/22 07:03	08/25/22 12:42	877-09-8	
Decachlorobiphenyl (S)	67	%	38-95		1	08/24/22 07:03	08/25/22 12:42	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.8	mg/kg	3.0	1.8	1	08/25/22 06:01	08/26/22 16:51	7440-38-2	
Barium	30.5	mg/kg	0.61	0.18	1	08/25/22 06:01	08/26/22 16:51	7440-39-3	
Cadmium	0.16J	mg/kg	0.61	0.16	1	08/25/22 06:01	08/26/22 16:51	7440-43-9	
Chromium	14.4	mg/kg	1.2	0.34	1	08/25/22 06:01	08/26/22 16:51	7440-47-3	
Lead	4.3	mg/kg	2.4	0.73	1	08/25/22 06:01	08/26/22 16:51	7439-92-1	
Selenium	<1.6	mg/kg	4.8	1.6	1	08/25/22 06:01	08/26/22 16:51	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	08/25/22 06:01	08/26/22 16:51	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	08/25/22 08:19	08/26/22 08:08	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.7	ug/kg	20.5	2.7	1	08/26/22 07:47	08/26/22 10:27	83-32-9	
Acenaphthylene	<2.6	ug/kg	20.5	2.6	1	08/26/22 07:47	08/26/22 10:27	208-96-8	
Anthracene	<2.5	ug/kg	20.5	2.5	1	08/26/22 07:47	08/26/22 10:27	120-12-7	
Benzo(a)anthracene	<2.6	ug/kg	20.5	2.6	1	08/26/22 07:47	08/26/22 10:27	56-55-3	
Benzo(a)pyrene	<2.3	ug/kg	20.5	2.3	1	08/26/22 07:47	08/26/22 10:27	50-32-8	
Benzo(b)fluoranthene	<2.8	ug/kg	20.5	2.8	1	08/26/22 07:47	08/26/22 10:27	205-99-2	
Benzo(g,h,i)perylene	<3.6	ug/kg	20.5	3.6	1	08/26/22 07:47	08/26/22 10:27	191-24-2	
Benzo(k)fluoranthene	<2.6	ug/kg	20.5	2.6	1	08/26/22 07:47	08/26/22 10:27	207-08-9	
Chrysene	<3.9	ug/kg	20.5	3.9	1	08/26/22 07:47	08/26/22 10:27	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	20.5	2.8	1	08/26/22 07:47	08/26/22 10:27	53-70-3	
Fluoranthene	<2.4	ug/kg	20.5	2.4	1	08/26/22 07:47	08/26/22 10:27	206-44-0	
Fluorene	<2.5	ug/kg	20.5	2.5	1	08/26/22 07:47	08/26/22 10:27	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.3	ug/kg	20.5	4.3	1	08/26/22 07:47	08/26/22 10:27	193-39-5	
1-Methylnaphthalene	<3.0	ug/kg	20.5	3.0	1	08/26/22 07:47	08/26/22 10:27	90-12-0	
2-Methylnaphthalene	<3.0	ug/kg	20.5	3.0	1	08/26/22 07:47	08/26/22 10:27	91-57-6	
Naphthalene	<2.0	ug/kg	20.5	2.0	1	08/26/22 07:47	08/26/22 10:27	91-20-3	

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-7 (3'-4')**      **Lab ID: 40250229015**      Collected: 08/19/22 13:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	<2.3	ug/kg	20.5	2.3	1	08/26/22 07:47	08/26/22 10:27	85-01-8	
Pyrene	<3.0	ug/kg	20.5	3.0	1	08/26/22 07:47	08/26/22 10:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	41-98		1	08/26/22 07:47	08/26/22 10:27	321-60-8	
Terphenyl-d14 (S)	74	%	37-106		1	08/26/22 07:47	08/26/22 10:27	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.5	%	0.10	0.10	1		08/25/22 11:53		

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-8 (1'-2')**      **Lab ID: 40250229016**      Collected: 08/19/22 10:40      Received: 08/23/22 08:10      Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	1.7J	mg/kg	2.6	1.5	1	08/25/22 06:01	08/26/22 16:54	7440-38-2	
Barium	75.2	mg/kg	0.51	0.15	1	08/25/22 06:01	08/26/22 16:54	7440-39-3	
Cadmium	0.19J	mg/kg	0.51	0.14	1	08/25/22 06:01	08/26/22 16:54	7440-43-9	
Chromium	19.9	mg/kg	1.0	0.29	1	08/25/22 06:01	08/26/22 16:54	7440-47-3	
Lead	7.7	mg/kg	2.1	0.61	1	08/25/22 06:01	08/26/22 16:54	7439-92-1	
Selenium	<1.3	mg/kg	4.1	1.3	1	08/25/22 06:01	08/26/22 16:54	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	08/25/22 06:01	08/26/22 16:54	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.020J	mg/kg	0.036	0.010	1	08/25/22 08:19	08/26/22 08:10	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.4	ug/kg	18.7	2.4	1	08/26/22 07:47	08/26/22 18:44	83-32-9	
Acenaphthylene	4.9J	ug/kg	18.7	2.4	1	08/26/22 07:47	08/26/22 18:44	208-96-8	
Anthracene	7.6J	ug/kg	18.7	2.3	1	08/26/22 07:47	08/26/22 18:44	120-12-7	
Benzo(a)anthracene	37.7	ug/kg	18.7	2.4	1	08/26/22 07:47	08/26/22 18:44	56-55-3	
Benzo(a)pyrene	60.9	ug/kg	18.7	2.1	1	08/26/22 07:47	08/26/22 18:44	50-32-8	
Benzo(b)fluoranthene	95.1	ug/kg	18.7	2.6	1	08/26/22 07:47	08/26/22 18:44	205-99-2	
Benzo(g,h,i)perylene	46.5	ug/kg	18.7	3.3	1	08/26/22 07:47	08/26/22 18:44	191-24-2	
Benzo(k)fluoranthene	35.1	ug/kg	18.7	2.4	1	08/26/22 07:47	08/26/22 18:44	207-08-9	
Chrysene	67.2	ug/kg	18.7	3.5	1	08/26/22 07:47	08/26/22 18:44	218-01-9	
Dibenz(a,h)anthracene	11.3J	ug/kg	18.7	2.6	1	08/26/22 07:47	08/26/22 18:44	53-70-3	
Fluoranthene	93.4	ug/kg	18.7	2.2	1	08/26/22 07:47	08/26/22 18:44	206-44-0	
Fluorene	2.9J	ug/kg	18.7	2.2	1	08/26/22 07:47	08/26/22 18:44	86-73-7	
Indeno(1,2,3-cd)pyrene	32.2	ug/kg	18.7	3.9	1	08/26/22 07:47	08/26/22 18:44	193-39-5	
1-Methylnaphthalene	<2.7	ug/kg	18.7	2.7	1	08/26/22 07:47	08/26/22 18:44	90-12-0	
2-Methylnaphthalene	3.8J	ug/kg	18.7	2.7	1	08/26/22 07:47	08/26/22 18:44	91-57-6	
Naphthalene	2.6J	ug/kg	18.7	1.8	1	08/26/22 07:47	08/26/22 18:44	91-20-3	
Phenanthrene	32.9	ug/kg	18.7	2.1	1	08/26/22 07:47	08/26/22 18:44	85-01-8	
Pyrene	75.5	ug/kg	18.7	2.7	1	08/26/22 07:47	08/26/22 18:44	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	41-98		1	08/26/22 07:47	08/26/22 18:44	321-60-8	
Terphenyl-d14 (S)	64	%	37-106		1	08/26/22 07:47	08/26/22 18:44	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<14.7	ug/kg	24.7	14.7	1	08/26/22 10:00	08/26/22 18:37	71-43-2	
Bromobenzene	<24.1	ug/kg	61.9	24.1	1	08/26/22 10:00	08/26/22 18:37	108-86-1	
Bromochloromethane	<16.9	ug/kg	61.9	16.9	1	08/26/22 10:00	08/26/22 18:37	74-97-5	
Bromodichloromethane	<14.7	ug/kg	61.9	14.7	1	08/26/22 10:00	08/26/22 18:37	75-27-4	
Bromoform	<272	ug/kg	309	272	1	08/26/22 10:00	08/26/22 18:37	75-25-2	
Bromomethane	<86.7	ug/kg	309	86.7	1	08/26/22 10:00	08/26/22 18:37	74-83-9	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-8 (1'-2') Lab ID: 40250229016 Collected: 08/19/22 10:40 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<28.3	ug/kg	61.9	28.3	1	08/26/22 10:00	08/26/22 18:37	104-51-8	
sec-Butylbenzene	<15.1	ug/kg	61.9	15.1	1	08/26/22 10:00	08/26/22 18:37	135-98-8	
tert-Butylbenzene	<19.4	ug/kg	61.9	19.4	1	08/26/22 10:00	08/26/22 18:37	98-06-6	
Carbon tetrachloride	<13.6	ug/kg	61.9	13.6	1	08/26/22 10:00	08/26/22 18:37	56-23-5	
Chlorobenzene	<7.4	ug/kg	61.9	7.4	1	08/26/22 10:00	08/26/22 18:37	108-90-7	
Chloroethane	<26.1	ug/kg	309	26.1	1	08/26/22 10:00	08/26/22 18:37	75-00-3	
Chloroform	<44.3	ug/kg	309	44.3	1	08/26/22 10:00	08/26/22 18:37	67-66-3	
Chloromethane	<23.5	ug/kg	61.9	23.5	1	08/26/22 10:00	08/26/22 18:37	74-87-3	
2-Chlorotoluene	<20.0	ug/kg	61.9	20.0	1	08/26/22 10:00	08/26/22 18:37	95-49-8	
4-Chlorotoluene	<23.5	ug/kg	61.9	23.5	1	08/26/22 10:00	08/26/22 18:37	106-43-4	
1,2-Dibromo-3-chloropropane	<48.0	ug/kg	309	48.0	1	08/26/22 10:00	08/26/22 18:37	96-12-8	
Dibromochloromethane	<211	ug/kg	309	211	1	08/26/22 10:00	08/26/22 18:37	124-48-1	
1,2-Dibromoethane (EDB)	<16.9	ug/kg	61.9	16.9	1	08/26/22 10:00	08/26/22 18:37	106-93-4	
Dibromomethane	<18.3	ug/kg	61.9	18.3	1	08/26/22 10:00	08/26/22 18:37	74-95-3	
1,2-Dichlorobenzene	<19.2	ug/kg	61.9	19.2	1	08/26/22 10:00	08/26/22 18:37	95-50-1	
1,3-Dichlorobenzene	<16.9	ug/kg	61.9	16.9	1	08/26/22 10:00	08/26/22 18:37	541-73-1	
1,4-Dichlorobenzene	<16.9	ug/kg	61.9	16.9	1	08/26/22 10:00	08/26/22 18:37	106-46-7	
Dichlorodifluoromethane	<26.6	ug/kg	61.9	26.6	1	08/26/22 10:00	08/26/22 18:37	75-71-8	
1,1-Dichloroethane	<15.8	ug/kg	61.9	15.8	1	08/26/22 10:00	08/26/22 18:37	75-34-3	
1,2-Dichloroethane	<14.2	ug/kg	61.9	14.2	1	08/26/22 10:00	08/26/22 18:37	107-06-2	
1,1-Dichloroethene	<20.5	ug/kg	61.9	20.5	1	08/26/22 10:00	08/26/22 18:37	75-35-4	
cis-1,2-Dichloroethene	<13.2	ug/kg	61.9	13.2	1	08/26/22 10:00	08/26/22 18:37	156-59-2	
trans-1,2-Dichloroethene	<13.4	ug/kg	61.9	13.4	1	08/26/22 10:00	08/26/22 18:37	156-60-5	
1,2-Dichloropropane	<14.7	ug/kg	61.9	14.7	1	08/26/22 10:00	08/26/22 18:37	78-87-5	
1,3-Dichloropropane	<13.5	ug/kg	61.9	13.5	1	08/26/22 10:00	08/26/22 18:37	142-28-9	
2,2-Dichloropropane	<16.7	ug/kg	61.9	16.7	1	08/26/22 10:00	08/26/22 18:37	594-20-7	
1,1-Dichloropropene	<20.0	ug/kg	61.9	20.0	1	08/26/22 10:00	08/26/22 18:37	563-58-6	
cis-1,3-Dichloropropene	<40.8	ug/kg	309	40.8	1	08/26/22 10:00	08/26/22 18:37	10061-01-5	
trans-1,3-Dichloropropene	<177	ug/kg	309	177	1	08/26/22 10:00	08/26/22 18:37	10061-02-6	
Diisopropyl ether	<15.3	ug/kg	61.9	15.3	1	08/26/22 10:00	08/26/22 18:37	108-20-3	
Ethylbenzene	<14.7	ug/kg	61.9	14.7	1	08/26/22 10:00	08/26/22 18:37	100-41-4	
Hexachloro-1,3-butadiene	<123	ug/kg	309	123	1	08/26/22 10:00	08/26/22 18:37	87-68-3	
Isopropylbenzene (Cumene)	<16.7	ug/kg	61.9	16.7	1	08/26/22 10:00	08/26/22 18:37	98-82-8	
p-Isopropyltoluene	<18.8	ug/kg	61.9	18.8	1	08/26/22 10:00	08/26/22 18:37	99-87-6	
Methylene Chloride	<17.2	ug/kg	61.9	17.2	1	08/26/22 10:00	08/26/22 18:37	75-09-2	
Methyl-tert-butyl ether	<18.2	ug/kg	61.9	18.2	1	08/26/22 10:00	08/26/22 18:37	1634-04-4	
Naphthalene	<19.3	ug/kg	309	19.3	1	08/26/22 10:00	08/26/22 18:37	91-20-3	
n-Propylbenzene	<14.8	ug/kg	61.9	14.8	1	08/26/22 10:00	08/26/22 18:37	103-65-1	
Styrene	<15.8	ug/kg	61.9	15.8	1	08/26/22 10:00	08/26/22 18:37	100-42-5	
1,1,1,2-Tetrachloroethane	<14.8	ug/kg	61.9	14.8	1	08/26/22 10:00	08/26/22 18:37	630-20-6	
1,1,1,2,2-Tetrachloroethane	<22.4	ug/kg	61.9	22.4	1	08/26/22 10:00	08/26/22 18:37	79-34-5	
Tetrachloroethene	<24.0	ug/kg	61.9	24.0	1	08/26/22 10:00	08/26/22 18:37	127-18-4	
Toluene	<15.6	ug/kg	61.9	15.6	1	08/26/22 10:00	08/26/22 18:37	108-88-3	
1,2,3-Trichlorobenzene	<68.9	ug/kg	309	68.9	1	08/26/22 10:00	08/26/22 18:37	87-61-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-8 (1'-2')**      **Lab ID: 40250229016**      Collected: 08/19/22 10:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<51.0	ug/kg	309	51.0	1	08/26/22 10:00	08/26/22 18:37	120-82-1	
1,1,1-Trichloroethane	<15.8	ug/kg	61.9	15.8	1	08/26/22 10:00	08/26/22 18:37	71-55-6	
1,1,2-Trichloroethane	<22.5	ug/kg	61.9	22.5	1	08/26/22 10:00	08/26/22 18:37	79-00-5	
Trichloroethene	<23.1	ug/kg	61.9	23.1	1	08/26/22 10:00	08/26/22 18:37	79-01-6	
Trichlorofluoromethane	<17.9	ug/kg	61.9	17.9	1	08/26/22 10:00	08/26/22 18:37	75-69-4	
1,2,3-Trichloropropane	<30.1	ug/kg	61.9	30.1	1	08/26/22 10:00	08/26/22 18:37	96-18-4	
1,2,4-Trimethylbenzene	<18.4	ug/kg	61.9	18.4	1	08/26/22 10:00	08/26/22 18:37	95-63-6	
1,3,5-Trimethylbenzene	<19.9	ug/kg	61.9	19.9	1	08/26/22 10:00	08/26/22 18:37	108-67-8	
Vinyl chloride	<12.5	ug/kg	61.9	12.5	1	08/26/22 10:00	08/26/22 18:37	75-01-4	
Xylene (Total)	<44.7	ug/kg	186	44.7	1	08/26/22 10:00	08/26/22 18:37	1330-20-7	
m&p-Xylene	<26.1	ug/kg	124	26.1	1	08/26/22 10:00	08/26/22 18:37	179601-23-1	
o-Xylene	<18.6	ug/kg	61.9	18.6	1	08/26/22 10:00	08/26/22 18:37	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	108	%	69-153		1	08/26/22 10:00	08/26/22 18:37	2037-26-5	
4-Bromofluorobenzene (S)	127	%	68-156		1	08/26/22 10:00	08/26/22 18:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	71-161		1	08/26/22 10:00	08/26/22 18:37	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.6	%	0.10	0.10	1		08/25/22 11:53		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-8 (3'-4')**      **Lab ID: 40250229017**      Collected: 08/19/22 10:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.8	mg/kg	2.8	1.6	1	08/25/22 06:01	08/26/22 16:56	7440-38-2	
Barium	83.3	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 16:56	7440-39-3	
Cadmium	0.22J	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 16:56	7440-43-9	
Chromium	26.7	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 16:56	7440-47-3	
Lead	22.7	mg/kg	2.2	0.67	1	08/25/22 06:01	08/26/22 16:56	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 16:56	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	08/25/22 06:01	08/26/22 16:56	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.057	mg/kg	0.042	0.012	1	08/25/22 09:14	08/26/22 08:17	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	37.1J	ug/kg	202	26.2	10	08/26/22 07:47	08/26/22 19:01	83-32-9	
Acenaphthylene	<25.5	ug/kg	202	25.5	10	08/26/22 07:47	08/26/22 19:01	208-96-8	
Anthracene	131J	ug/kg	202	25.1	10	08/26/22 07:47	08/26/22 19:01	120-12-7	
Benzo(a)anthracene	658	ug/kg	202	26.1	10	08/26/22 07:47	08/26/22 19:01	56-55-3	
Benzo(a)pyrene	940	ug/kg	202	22.9	10	08/26/22 07:47	08/26/22 19:01	50-32-8	
Benzo(b)fluoranthene	1390	ug/kg	202	28.0	10	08/26/22 07:47	08/26/22 19:01	205-99-2	
Benzo(g,h,i)perylene	614	ug/kg	202	35.4	10	08/26/22 07:47	08/26/22 19:01	191-24-2	
Benzo(k)fluoranthene	593	ug/kg	202	25.8	10	08/26/22 07:47	08/26/22 19:01	207-08-9	
Chrysene	1010	ug/kg	202	38.1	10	08/26/22 07:47	08/26/22 19:01	218-01-9	
Dibenz(a,h)anthracene	165J	ug/kg	202	27.9	10	08/26/22 07:47	08/26/22 19:01	53-70-3	
Fluoranthene	1900	ug/kg	202	23.9	10	08/26/22 07:47	08/26/22 19:01	206-44-0	
Fluorene	40.8J	ug/kg	202	24.2	10	08/26/22 07:47	08/26/22 19:01	86-73-7	
Indeno(1,2,3-cd)pyrene	514	ug/kg	202	42.1	10	08/26/22 07:47	08/26/22 19:01	193-39-5	
1-Methylnaphthalene	<29.5	ug/kg	202	29.5	10	08/26/22 07:47	08/26/22 19:01	90-12-0	
2-Methylnaphthalene	<29.5	ug/kg	202	29.5	10	08/26/22 07:47	08/26/22 19:01	91-57-6	
Naphthalene	<19.7	ug/kg	202	19.7	10	08/26/22 07:47	08/26/22 19:01	91-20-3	
Phenanthrene	812	ug/kg	202	23.1	10	08/26/22 07:47	08/26/22 19:01	85-01-8	
Pyrene	1600	ug/kg	202	29.7	10	08/26/22 07:47	08/26/22 19:01	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	41-98		10	08/26/22 07:47	08/26/22 19:01	321-60-8	
Terphenyl-d14 (S)	68	%	37-106		10	08/26/22 07:47	08/26/22 19:01	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<16.9	ug/kg	28.3	16.9	1	08/26/22 10:00	08/26/22 15:02	71-43-2	
Bromobenzene	<27.6	ug/kg	70.8	27.6	1	08/26/22 10:00	08/26/22 15:02	108-86-1	
Bromochloromethane	<19.4	ug/kg	70.8	19.4	1	08/26/22 10:00	08/26/22 15:02	74-97-5	
Bromodichloromethane	<16.9	ug/kg	70.8	16.9	1	08/26/22 10:00	08/26/22 15:02	75-27-4	
Bromoform	<312	ug/kg	354	312	1	08/26/22 10:00	08/26/22 15:02	75-25-2	
Bromomethane	<99.3	ug/kg	354	99.3	1	08/26/22 10:00	08/26/22 15:02	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-8 (3'-4')**      **Lab ID: 40250229017**      Collected: 08/19/22 10:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<32.4	ug/kg	70.8	32.4	1	08/26/22 10:00	08/26/22 15:02	104-51-8	
sec-Butylbenzene	<17.3	ug/kg	70.8	17.3	1	08/26/22 10:00	08/26/22 15:02	135-98-8	
tert-Butylbenzene	<22.2	ug/kg	70.8	22.2	1	08/26/22 10:00	08/26/22 15:02	98-06-6	
Carbon tetrachloride	<15.6	ug/kg	70.8	15.6	1	08/26/22 10:00	08/26/22 15:02	56-23-5	
Chlorobenzene	<8.5	ug/kg	70.8	8.5	1	08/26/22 10:00	08/26/22 15:02	108-90-7	
Chloroethane	<29.9	ug/kg	354	29.9	1	08/26/22 10:00	08/26/22 15:02	75-00-3	
Chloroform	<50.7	ug/kg	354	50.7	1	08/26/22 10:00	08/26/22 15:02	67-66-3	
Chloromethane	<26.9	ug/kg	70.8	26.9	1	08/26/22 10:00	08/26/22 15:02	74-87-3	
2-Chlorotoluene	<22.9	ug/kg	70.8	22.9	1	08/26/22 10:00	08/26/22 15:02	95-49-8	
4-Chlorotoluene	<26.9	ug/kg	70.8	26.9	1	08/26/22 10:00	08/26/22 15:02	106-43-4	
1,2-Dibromo-3-chloropropane	<55.0	ug/kg	354	55.0	1	08/26/22 10:00	08/26/22 15:02	96-12-8	
Dibromochloromethane	<242	ug/kg	354	242	1	08/26/22 10:00	08/26/22 15:02	124-48-1	
1,2-Dibromoethane (EDB)	<19.4	ug/kg	70.8	19.4	1	08/26/22 10:00	08/26/22 15:02	106-93-4	
Dibromomethane	<21.0	ug/kg	70.8	21.0	1	08/26/22 10:00	08/26/22 15:02	74-95-3	
1,2-Dichlorobenzene	<22.0	ug/kg	70.8	22.0	1	08/26/22 10:00	08/26/22 15:02	95-50-1	
1,3-Dichlorobenzene	<19.4	ug/kg	70.8	19.4	1	08/26/22 10:00	08/26/22 15:02	541-73-1	
1,4-Dichlorobenzene	<19.4	ug/kg	70.8	19.4	1	08/26/22 10:00	08/26/22 15:02	106-46-7	
Dichlorodifluoromethane	<30.5	ug/kg	70.8	30.5	1	08/26/22 10:00	08/26/22 15:02	75-71-8	
1,1-Dichloroethane	<18.1	ug/kg	70.8	18.1	1	08/26/22 10:00	08/26/22 15:02	75-34-3	
1,2-Dichloroethane	<16.3	ug/kg	70.8	16.3	1	08/26/22 10:00	08/26/22 15:02	107-06-2	
1,1-Dichloroethene	<23.5	ug/kg	70.8	23.5	1	08/26/22 10:00	08/26/22 15:02	75-35-4	
cis-1,2-Dichloroethene	<15.2	ug/kg	70.8	15.2	1	08/26/22 10:00	08/26/22 15:02	156-59-2	
trans-1,2-Dichloroethene	<15.3	ug/kg	70.8	15.3	1	08/26/22 10:00	08/26/22 15:02	156-60-5	
1,2-Dichloropropane	<16.9	ug/kg	70.8	16.9	1	08/26/22 10:00	08/26/22 15:02	78-87-5	
1,3-Dichloropropane	<15.4	ug/kg	70.8	15.4	1	08/26/22 10:00	08/26/22 15:02	142-28-9	
2,2-Dichloropropane	<19.1	ug/kg	70.8	19.1	1	08/26/22 10:00	08/26/22 15:02	594-20-7	
1,1-Dichloropropene	<22.9	ug/kg	70.8	22.9	1	08/26/22 10:00	08/26/22 15:02	563-58-6	
cis-1,3-Dichloropropene	<46.7	ug/kg	354	46.7	1	08/26/22 10:00	08/26/22 15:02	10061-01-5	
trans-1,3-Dichloropropene	<203	ug/kg	354	203	1	08/26/22 10:00	08/26/22 15:02	10061-02-6	
Diisopropyl ether	<17.6	ug/kg	70.8	17.6	1	08/26/22 10:00	08/26/22 15:02	108-20-3	
Ethylbenzene	<16.9	ug/kg	70.8	16.9	1	08/26/22 10:00	08/26/22 15:02	100-41-4	
Hexachloro-1,3-butadiene	<141	ug/kg	354	141	1	08/26/22 10:00	08/26/22 15:02	87-68-3	
Isopropylbenzene (Cumene)	<19.1	ug/kg	70.8	19.1	1	08/26/22 10:00	08/26/22 15:02	98-82-8	
p-Isopropyltoluene	<21.5	ug/kg	70.8	21.5	1	08/26/22 10:00	08/26/22 15:02	99-87-6	
Methylene Chloride	<19.7	ug/kg	70.8	19.7	1	08/26/22 10:00	08/26/22 15:02	75-09-2	
Methyl-tert-butyl ether	<20.8	ug/kg	70.8	20.8	1	08/26/22 10:00	08/26/22 15:02	1634-04-4	
Naphthalene	<22.1	ug/kg	354	22.1	1	08/26/22 10:00	08/26/22 15:02	91-20-3	
n-Propylbenzene	<17.0	ug/kg	70.8	17.0	1	08/26/22 10:00	08/26/22 15:02	103-65-1	
Styrene	<18.1	ug/kg	70.8	18.1	1	08/26/22 10:00	08/26/22 15:02	100-42-5	
1,1,1,2-Tetrachloroethane	<17.0	ug/kg	70.8	17.0	1	08/26/22 10:00	08/26/22 15:02	630-20-6	
1,1,1,2,2-Tetrachloroethane	<25.6	ug/kg	70.8	25.6	1	08/26/22 10:00	08/26/22 15:02	79-34-5	
Tetrachloroethene	<27.5	ug/kg	70.8	27.5	1	08/26/22 10:00	08/26/22 15:02	127-18-4	
Toluene	<17.8	ug/kg	70.8	17.8	1	08/26/22 10:00	08/26/22 15:02	108-88-3	
1,2,3-Trichlorobenzene	<78.9	ug/kg	354	78.9	1	08/26/22 10:00	08/26/22 15:02	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-8 (3'-4')**      **Lab ID: 40250229017**      Collected: 08/19/22 10:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<58.4	ug/kg	354	58.4	1	08/26/22 10:00	08/26/22 15:02	120-82-1	
1,1,1-Trichloroethane	<18.1	ug/kg	70.8	18.1	1	08/26/22 10:00	08/26/22 15:02	71-55-6	
1,1,2-Trichloroethane	<25.8	ug/kg	70.8	25.8	1	08/26/22 10:00	08/26/22 15:02	79-00-5	
Trichloroethene	<26.5	ug/kg	70.8	26.5	1	08/26/22 10:00	08/26/22 15:02	79-01-6	
Trichlorofluoromethane	<20.5	ug/kg	70.8	20.5	1	08/26/22 10:00	08/26/22 15:02	75-69-4	
1,2,3-Trichloropropane	<34.4	ug/kg	70.8	34.4	1	08/26/22 10:00	08/26/22 15:02	96-18-4	
1,2,4-Trimethylbenzene	<21.1	ug/kg	70.8	21.1	1	08/26/22 10:00	08/26/22 15:02	95-63-6	
1,3,5-Trimethylbenzene	<22.8	ug/kg	70.8	22.8	1	08/26/22 10:00	08/26/22 15:02	108-67-8	
Vinyl chloride	<14.3	ug/kg	70.8	14.3	1	08/26/22 10:00	08/26/22 15:02	75-01-4	
Xylene (Total)	<51.1	ug/kg	212	51.1	1	08/26/22 10:00	08/26/22 15:02	1330-20-7	
m&p-Xylene	<29.9	ug/kg	142	29.9	1	08/26/22 10:00	08/26/22 15:02	179601-23-1	
o-Xylene	<21.2	ug/kg	70.8	21.2	1	08/26/22 10:00	08/26/22 15:02	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	128	%	69-153		1	08/26/22 10:00	08/26/22 15:02	2037-26-5	
4-Bromofluorobenzene (S)	148	%	68-156		1	08/26/22 10:00	08/26/22 15:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	132	%	71-161		1	08/26/22 10:00	08/26/22 15:02	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	17.2	%	0.10	0.10	1		08/25/22 11:53		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-9 (1'-2')**      **Lab ID: 40250229018**      Collected: 08/19/22 09:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.9	mg/kg	2.7	1.6	1	08/25/22 06:01	08/26/22 16:58	7440-38-2	
Barium	68.8	mg/kg	0.53	0.16	1	08/25/22 06:01	08/26/22 16:58	7440-39-3	
Cadmium	0.91	mg/kg	0.53	0.14	1	08/25/22 06:01	08/26/22 16:58	7440-43-9	
Chromium	18.4	mg/kg	1.1	0.30	1	08/25/22 06:01	08/26/22 16:58	7440-47-3	
Lead	141	mg/kg	2.1	0.64	1	08/25/22 06:01	08/26/22 16:58	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	08/25/22 06:01	08/26/22 16:58	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	08/25/22 06:01	08/26/22 16:58	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.11	mg/kg	0.037	0.010	1	08/25/22 09:14	08/26/22 08:24	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	51.1J	ug/kg	95.0	12.3	5	08/26/22 07:47	08/26/22 19:18	83-32-9	
Acenaphthylene	<12.0	ug/kg	95.0	12.0	5	08/26/22 07:47	08/26/22 19:18	208-96-8	
Anthracene	135	ug/kg	95.0	11.8	5	08/26/22 07:47	08/26/22 19:18	120-12-7	
Benzo(a)anthracene	361	ug/kg	95.0	12.3	5	08/26/22 07:47	08/26/22 19:18	56-55-3	
Benzo(a)pyrene	470	ug/kg	95.0	10.8	5	08/26/22 07:47	08/26/22 19:18	50-32-8	
Benzo(b)fluoranthene	652	ug/kg	95.0	13.2	5	08/26/22 07:47	08/26/22 19:18	205-99-2	
Benzo(g,h,i)perylene	252	ug/kg	95.0	16.7	5	08/26/22 07:47	08/26/22 19:18	191-24-2	
Benzo(k)fluoranthene	282	ug/kg	95.0	12.1	5	08/26/22 07:47	08/26/22 19:18	207-08-9	
Chrysene	503	ug/kg	95.0	17.9	5	08/26/22 07:47	08/26/22 19:18	218-01-9	
Dibenz(a,h)anthracene	74.3J	ug/kg	95.0	13.2	5	08/26/22 07:47	08/26/22 19:18	53-70-3	
Fluoranthene	960	ug/kg	95.0	11.2	5	08/26/22 07:47	08/26/22 19:18	206-44-0	
Fluorene	48.0J	ug/kg	95.0	11.4	5	08/26/22 07:47	08/26/22 19:18	86-73-7	
Indeno(1,2,3-cd)pyrene	217	ug/kg	95.0	19.8	5	08/26/22 07:47	08/26/22 19:18	193-39-5	
1-Methylnaphthalene	21.4J	ug/kg	95.0	13.9	5	08/26/22 07:47	08/26/22 19:18	90-12-0	
2-Methylnaphthalene	28.0J	ug/kg	95.0	13.9	5	08/26/22 07:47	08/26/22 19:18	91-57-6	
Naphthalene	39.4J	ug/kg	95.0	9.3	5	08/26/22 07:47	08/26/22 19:18	91-20-3	
Phenanthrene	617	ug/kg	95.0	10.9	5	08/26/22 07:47	08/26/22 19:18	85-01-8	
Pyrene	903	ug/kg	95.0	14.0	5	08/26/22 07:47	08/26/22 19:18	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	41-98		5	08/26/22 07:47	08/26/22 19:18	321-60-8	
Terphenyl-d14 (S)	67	%	37-106		5	08/26/22 07:47	08/26/22 19:18	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<17.0	ug/kg	28.7	17.0	1	08/26/22 10:00	08/26/22 18:56	71-43-2	
Bromobenzene	<27.9	ug/kg	71.6	27.9	1	08/26/22 10:00	08/26/22 18:56	108-86-1	
Bromochloromethane	<19.6	ug/kg	71.6	19.6	1	08/26/22 10:00	08/26/22 18:56	74-97-5	
Bromodichloromethane	<17.0	ug/kg	71.6	17.0	1	08/26/22 10:00	08/26/22 18:56	75-27-4	
Bromoform	<315	ug/kg	358	315	1	08/26/22 10:00	08/26/22 18:56	75-25-2	
Bromomethane	<100	ug/kg	358	100	1	08/26/22 10:00	08/26/22 18:56	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-9 (1'-2')**      **Lab ID: 40250229018**      Collected: 08/19/22 09:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<32.8	ug/kg	71.6	32.8	1	08/26/22 10:00	08/26/22 18:56	104-51-8	
sec-Butylbenzene	<17.5	ug/kg	71.6	17.5	1	08/26/22 10:00	08/26/22 18:56	135-98-8	
tert-Butylbenzene	<22.5	ug/kg	71.6	22.5	1	08/26/22 10:00	08/26/22 18:56	98-06-6	
Carbon tetrachloride	<15.8	ug/kg	71.6	15.8	1	08/26/22 10:00	08/26/22 18:56	56-23-5	
Chlorobenzene	<8.6	ug/kg	71.6	8.6	1	08/26/22 10:00	08/26/22 18:56	108-90-7	
Chloroethane	<30.2	ug/kg	358	30.2	1	08/26/22 10:00	08/26/22 18:56	75-00-3	
Chloroform	<51.3	ug/kg	358	51.3	1	08/26/22 10:00	08/26/22 18:56	67-66-3	
Chloromethane	<27.2	ug/kg	71.6	27.2	1	08/26/22 10:00	08/26/22 18:56	74-87-3	
2-Chlorotoluene	<23.2	ug/kg	71.6	23.2	1	08/26/22 10:00	08/26/22 18:56	95-49-8	
4-Chlorotoluene	<27.2	ug/kg	71.6	27.2	1	08/26/22 10:00	08/26/22 18:56	106-43-4	
1,2-Dibromo-3-chloropropane	<55.6	ug/kg	358	55.6	1	08/26/22 10:00	08/26/22 18:56	96-12-8	
Dibromochloromethane	<245	ug/kg	358	245	1	08/26/22 10:00	08/26/22 18:56	124-48-1	
1,2-Dibromoethane (EDB)	<19.6	ug/kg	71.6	19.6	1	08/26/22 10:00	08/26/22 18:56	106-93-4	
Dibromomethane	<21.2	ug/kg	71.6	21.2	1	08/26/22 10:00	08/26/22 18:56	74-95-3	
1,2-Dichlorobenzene	<22.2	ug/kg	71.6	22.2	1	08/26/22 10:00	08/26/22 18:56	95-50-1	
1,3-Dichlorobenzene	<19.6	ug/kg	71.6	19.6	1	08/26/22 10:00	08/26/22 18:56	541-73-1	
1,4-Dichlorobenzene	<19.6	ug/kg	71.6	19.6	1	08/26/22 10:00	08/26/22 18:56	106-46-7	
Dichlorodifluoromethane	<30.8	ug/kg	71.6	30.8	1	08/26/22 10:00	08/26/22 18:56	75-71-8	
1,1-Dichloroethane	<18.3	ug/kg	71.6	18.3	1	08/26/22 10:00	08/26/22 18:56	75-34-3	
1,2-Dichloroethane	<16.5	ug/kg	71.6	16.5	1	08/26/22 10:00	08/26/22 18:56	107-06-2	
1,1-Dichloroethene	<23.8	ug/kg	71.6	23.8	1	08/26/22 10:00	08/26/22 18:56	75-35-4	
cis-1,2-Dichloroethene	<15.3	ug/kg	71.6	15.3	1	08/26/22 10:00	08/26/22 18:56	156-59-2	
trans-1,2-Dichloroethene	<15.5	ug/kg	71.6	15.5	1	08/26/22 10:00	08/26/22 18:56	156-60-5	
1,2-Dichloropropane	<17.0	ug/kg	71.6	17.0	1	08/26/22 10:00	08/26/22 18:56	78-87-5	
1,3-Dichloropropane	<15.6	ug/kg	71.6	15.6	1	08/26/22 10:00	08/26/22 18:56	142-28-9	
2,2-Dichloropropane	<19.3	ug/kg	71.6	19.3	1	08/26/22 10:00	08/26/22 18:56	594-20-7	
1,1-Dichloropropene	<23.2	ug/kg	71.6	23.2	1	08/26/22 10:00	08/26/22 18:56	563-58-6	
cis-1,3-Dichloropropene	<47.3	ug/kg	358	47.3	1	08/26/22 10:00	08/26/22 18:56	10061-01-5	
trans-1,3-Dichloropropene	<205	ug/kg	358	205	1	08/26/22 10:00	08/26/22 18:56	10061-02-6	
Diisopropyl ether	<17.8	ug/kg	71.6	17.8	1	08/26/22 10:00	08/26/22 18:56	108-20-3	
Ethylbenzene	<17.0	ug/kg	71.6	17.0	1	08/26/22 10:00	08/26/22 18:56	100-41-4	
Hexachloro-1,3-butadiene	<142	ug/kg	358	142	1	08/26/22 10:00	08/26/22 18:56	87-68-3	
Isopropylbenzene (Cumene)	<19.3	ug/kg	71.6	19.3	1	08/26/22 10:00	08/26/22 18:56	98-82-8	
p-Isopropyltoluene	<21.8	ug/kg	71.6	21.8	1	08/26/22 10:00	08/26/22 18:56	99-87-6	
Methylene Chloride	<19.9	ug/kg	71.6	19.9	1	08/26/22 10:00	08/26/22 18:56	75-09-2	
Methyl-tert-butyl ether	<21.1	ug/kg	71.6	21.1	1	08/26/22 10:00	08/26/22 18:56	1634-04-4	
Naphthalene	<22.3	ug/kg	358	22.3	1	08/26/22 10:00	08/26/22 18:56	91-20-3	
n-Propylbenzene	<17.2	ug/kg	71.6	17.2	1	08/26/22 10:00	08/26/22 18:56	103-65-1	
Styrene	<18.3	ug/kg	71.6	18.3	1	08/26/22 10:00	08/26/22 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	<17.2	ug/kg	71.6	17.2	1	08/26/22 10:00	08/26/22 18:56	630-20-6	
1,1,1,2,2-Tetrachloroethane	<25.9	ug/kg	71.6	25.9	1	08/26/22 10:00	08/26/22 18:56	79-34-5	
Tetrachloroethene	<27.8	ug/kg	71.6	27.8	1	08/26/22 10:00	08/26/22 18:56	127-18-4	
Toluene	<18.1	ug/kg	71.6	18.1	1	08/26/22 10:00	08/26/22 18:56	108-88-3	
1,2,3-Trichlorobenzene	<79.8	ug/kg	358	79.8	1	08/26/22 10:00	08/26/22 18:56	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-9 (1'-2')**      **Lab ID: 40250229018**      Collected: 08/19/22 09:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<59.0	ug/kg	358	59.0	1	08/26/22 10:00	08/26/22 18:56	120-82-1	
1,1,1-Trichloroethane	<18.3	ug/kg	71.6	18.3	1	08/26/22 10:00	08/26/22 18:56	71-55-6	
1,1,2-Trichloroethane	<26.1	ug/kg	71.6	26.1	1	08/26/22 10:00	08/26/22 18:56	79-00-5	
Trichloroethene	<26.8	ug/kg	71.6	26.8	1	08/26/22 10:00	08/26/22 18:56	79-01-6	
Trichlorofluoromethane	<20.8	ug/kg	71.6	20.8	1	08/26/22 10:00	08/26/22 18:56	75-69-4	
1,2,3-Trichloropropane	<34.8	ug/kg	71.6	34.8	1	08/26/22 10:00	08/26/22 18:56	96-18-4	
1,2,4-Trimethylbenzene	<21.3	ug/kg	71.6	21.3	1	08/26/22 10:00	08/26/22 18:56	95-63-6	
1,3,5-Trimethylbenzene	<23.1	ug/kg	71.6	23.1	1	08/26/22 10:00	08/26/22 18:56	108-67-8	
Vinyl chloride	<14.5	ug/kg	71.6	14.5	1	08/26/22 10:00	08/26/22 18:56	75-01-4	
Xylene (Total)	<51.7	ug/kg	215	51.7	1	08/26/22 10:00	08/26/22 18:56	1330-20-7	
m&p-Xylene	<30.2	ug/kg	143	30.2	1	08/26/22 10:00	08/26/22 18:56	179601-23-1	
o-Xylene	<21.5	ug/kg	71.6	21.5	1	08/26/22 10:00	08/26/22 18:56	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	124	%	69-153		1	08/26/22 10:00	08/26/22 18:56	2037-26-5	
4-Bromofluorobenzene (S)	152	%	68-156		1	08/26/22 10:00	08/26/22 18:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	136	%	71-161		1	08/26/22 10:00	08/26/22 18:56	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.2	%	0.10	0.10	1		08/25/22 11:54		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-9 (2'-3')**      **Lab ID: 40250229019**      Collected: 08/19/22 09:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.4	mg/kg	2.8	1.7	1	08/25/22 06:01	08/26/22 17:01	7440-38-2	
Barium	67.0	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 17:01	7440-39-3	
Cadmium	0.17J	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 17:01	7440-43-9	
Chromium	28.1	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 17:01	7440-47-3	
Lead	9.9	mg/kg	2.3	0.68	1	08/25/22 06:01	08/26/22 17:01	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 17:01	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	08/25/22 06:01	08/26/22 17:01	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.14	mg/kg	0.040	0.011	1	08/25/22 09:14	08/26/22 08:35	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.6	ug/kg	19.7	2.6	1	08/26/22 07:47	08/26/22 17:18	83-32-9	
Acenaphthylene	<2.5	ug/kg	19.7	2.5	1	08/26/22 07:47	08/26/22 17:18	208-96-8	
Anthracene	<2.4	ug/kg	19.7	2.4	1	08/26/22 07:47	08/26/22 17:18	120-12-7	
Benzo(a)anthracene	2.8J	ug/kg	19.7	2.5	1	08/26/22 07:47	08/26/22 17:18	56-55-3	
Benzo(a)pyrene	3.1J	ug/kg	19.7	2.2	1	08/26/22 07:47	08/26/22 17:18	50-32-8	
Benzo(b)fluoranthene	5.7J	ug/kg	19.7	2.7	1	08/26/22 07:47	08/26/22 17:18	205-99-2	
Benzo(g,h,i)perylene	3.8J	ug/kg	19.7	3.5	1	08/26/22 07:47	08/26/22 17:18	191-24-2	
Benzo(k)fluoranthene	3.2J	ug/kg	19.7	2.5	1	08/26/22 07:47	08/26/22 17:18	207-08-9	
Chrysene	5.2J	ug/kg	19.7	3.7	1	08/26/22 07:47	08/26/22 17:18	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	19.7	2.7	1	08/26/22 07:47	08/26/22 17:18	53-70-3	
Fluoranthene	4.2J	ug/kg	19.7	2.3	1	08/26/22 07:47	08/26/22 17:18	206-44-0	
Fluorene	<2.4	ug/kg	19.7	2.4	1	08/26/22 07:47	08/26/22 17:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.1	ug/kg	19.7	4.1	1	08/26/22 07:47	08/26/22 17:18	193-39-5	
1-Methylnaphthalene	<2.9	ug/kg	19.7	2.9	1	08/26/22 07:47	08/26/22 17:18	90-12-0	
2-Methylnaphthalene	<2.9	ug/kg	19.7	2.9	1	08/26/22 07:47	08/26/22 17:18	91-57-6	
Naphthalene	<1.9	ug/kg	19.7	1.9	1	08/26/22 07:47	08/26/22 17:18	91-20-3	
Phenanthrene	2.8J	ug/kg	19.7	2.3	1	08/26/22 07:47	08/26/22 17:18	85-01-8	
Pyrene	3.9J	ug/kg	19.7	2.9	1	08/26/22 07:47	08/26/22 17:18	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	41-98		1	08/26/22 07:47	08/26/22 17:18	321-60-8	
Terphenyl-d14 (S)	69	%	37-106		1	08/26/22 07:47	08/26/22 17:18	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<16.1	ug/kg	27.1	16.1	1	08/26/22 10:00	08/26/22 19:16	71-43-2	
Bromobenzene	<26.4	ug/kg	67.8	26.4	1	08/26/22 10:00	08/26/22 19:16	108-86-1	
Bromochloromethane	<18.6	ug/kg	67.8	18.6	1	08/26/22 10:00	08/26/22 19:16	74-97-5	
Bromodichloromethane	<16.1	ug/kg	67.8	16.1	1	08/26/22 10:00	08/26/22 19:16	75-27-4	
Bromoform	<298	ug/kg	339	298	1	08/26/22 10:00	08/26/22 19:16	75-25-2	
Bromomethane	<95.1	ug/kg	339	95.1	1	08/26/22 10:00	08/26/22 19:16	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-9 (2'-3') Lab ID: 40250229019 Collected: 08/19/22 09:10 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<31.1	ug/kg	67.8	31.1	1	08/26/22 10:00	08/26/22 19:16	104-51-8	
sec-Butylbenzene	<16.5	ug/kg	67.8	16.5	1	08/26/22 10:00	08/26/22 19:16	135-98-8	
tert-Butylbenzene	<21.3	ug/kg	67.8	21.3	1	08/26/22 10:00	08/26/22 19:16	98-06-6	
Carbon tetrachloride	<14.9	ug/kg	67.8	14.9	1	08/26/22 10:00	08/26/22 19:16	56-23-5	
Chlorobenzene	<8.1	ug/kg	67.8	8.1	1	08/26/22 10:00	08/26/22 19:16	108-90-7	
Chloroethane	<28.6	ug/kg	339	28.6	1	08/26/22 10:00	08/26/22 19:16	75-00-3	
Chloroform	<48.5	ug/kg	339	48.5	1	08/26/22 10:00	08/26/22 19:16	67-66-3	
Chloromethane	<25.8	ug/kg	67.8	25.8	1	08/26/22 10:00	08/26/22 19:16	74-87-3	
2-Chlorotoluene	<22.0	ug/kg	67.8	22.0	1	08/26/22 10:00	08/26/22 19:16	95-49-8	
4-Chlorotoluene	<25.8	ug/kg	67.8	25.8	1	08/26/22 10:00	08/26/22 19:16	106-43-4	
1,2-Dibromo-3-chloropropane	<52.6	ug/kg	339	52.6	1	08/26/22 10:00	08/26/22 19:16	96-12-8	
Dibromochloromethane	<232	ug/kg	339	232	1	08/26/22 10:00	08/26/22 19:16	124-48-1	
1,2-Dibromoethane (EDB)	<18.6	ug/kg	67.8	18.6	1	08/26/22 10:00	08/26/22 19:16	106-93-4	
Dibromomethane	<20.1	ug/kg	67.8	20.1	1	08/26/22 10:00	08/26/22 19:16	74-95-3	
1,2-Dichlorobenzene	<21.0	ug/kg	67.8	21.0	1	08/26/22 10:00	08/26/22 19:16	95-50-1	
1,3-Dichlorobenzene	<18.6	ug/kg	67.8	18.6	1	08/26/22 10:00	08/26/22 19:16	541-73-1	
1,4-Dichlorobenzene	<18.6	ug/kg	67.8	18.6	1	08/26/22 10:00	08/26/22 19:16	106-46-7	
Dichlorodifluoromethane	<29.2	ug/kg	67.8	29.2	1	08/26/22 10:00	08/26/22 19:16	75-71-8	
1,1-Dichloroethane	<17.4	ug/kg	67.8	17.4	1	08/26/22 10:00	08/26/22 19:16	75-34-3	
1,2-Dichloroethane	<15.6	ug/kg	67.8	15.6	1	08/26/22 10:00	08/26/22 19:16	107-06-2	
1,1-Dichloroethene	<22.5	ug/kg	67.8	22.5	1	08/26/22 10:00	08/26/22 19:16	75-35-4	
cis-1,2-Dichloroethene	<14.5	ug/kg	67.8	14.5	1	08/26/22 10:00	08/26/22 19:16	156-59-2	
trans-1,2-Dichloroethene	<14.6	ug/kg	67.8	14.6	1	08/26/22 10:00	08/26/22 19:16	156-60-5	
1,2-Dichloropropane	<16.1	ug/kg	67.8	16.1	1	08/26/22 10:00	08/26/22 19:16	78-87-5	
1,3-Dichloropropane	<14.8	ug/kg	67.8	14.8	1	08/26/22 10:00	08/26/22 19:16	142-28-9	
2,2-Dichloropropane	<18.3	ug/kg	67.8	18.3	1	08/26/22 10:00	08/26/22 19:16	594-20-7	
1,1-Dichloropropene	<22.0	ug/kg	67.8	22.0	1	08/26/22 10:00	08/26/22 19:16	563-58-6	
cis-1,3-Dichloropropene	<44.8	ug/kg	339	44.8	1	08/26/22 10:00	08/26/22 19:16	10061-01-5	
trans-1,3-Dichloropropene	<194	ug/kg	339	194	1	08/26/22 10:00	08/26/22 19:16	10061-02-6	
Diisopropyl ether	<16.8	ug/kg	67.8	16.8	1	08/26/22 10:00	08/26/22 19:16	108-20-3	
Ethylbenzene	<16.1	ug/kg	67.8	16.1	1	08/26/22 10:00	08/26/22 19:16	100-41-4	
Hexachloro-1,3-butadiene	<135	ug/kg	339	135	1	08/26/22 10:00	08/26/22 19:16	87-68-3	
Isopropylbenzene (Cumene)	<18.3	ug/kg	67.8	18.3	1	08/26/22 10:00	08/26/22 19:16	98-82-8	
p-Isopropyltoluene	<20.6	ug/kg	67.8	20.6	1	08/26/22 10:00	08/26/22 19:16	99-87-6	
Methylene Chloride	<18.8	ug/kg	67.8	18.8	1	08/26/22 10:00	08/26/22 19:16	75-09-2	
Methyl-tert-butyl ether	<19.9	ug/kg	67.8	19.9	1	08/26/22 10:00	08/26/22 19:16	1634-04-4	
Naphthalene	<21.2	ug/kg	339	21.2	1	08/26/22 10:00	08/26/22 19:16	91-20-3	
n-Propylbenzene	<16.3	ug/kg	67.8	16.3	1	08/26/22 10:00	08/26/22 19:16	103-65-1	
Styrene	<17.4	ug/kg	67.8	17.4	1	08/26/22 10:00	08/26/22 19:16	100-42-5	
1,1,1,2-Tetrachloroethane	<16.3	ug/kg	67.8	16.3	1	08/26/22 10:00	08/26/22 19:16	630-20-6	
1,1,1,2,2-Tetrachloroethane	<24.5	ug/kg	67.8	24.5	1	08/26/22 10:00	08/26/22 19:16	79-34-5	
Tetrachloroethene	<26.3	ug/kg	67.8	26.3	1	08/26/22 10:00	08/26/22 19:16	127-18-4	
Toluene	<17.1	ug/kg	67.8	17.1	1	08/26/22 10:00	08/26/22 19:16	108-88-3	
1,2,3-Trichlorobenzene	<75.5	ug/kg	339	75.5	1	08/26/22 10:00	08/26/22 19:16	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-9 (2'-3')**      **Lab ID: 40250229019**      Collected: 08/19/22 09:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<55.9	ug/kg	339	55.9	1	08/26/22 10:00	08/26/22 19:16	120-82-1	
1,1,1-Trichloroethane	<17.4	ug/kg	67.8	17.4	1	08/26/22 10:00	08/26/22 19:16	71-55-6	
1,1,2-Trichloroethane	<24.7	ug/kg	67.8	24.7	1	08/26/22 10:00	08/26/22 19:16	79-00-5	
Trichloroethene	<25.4	ug/kg	67.8	25.4	1	08/26/22 10:00	08/26/22 19:16	79-01-6	
Trichlorofluoromethane	<19.7	ug/kg	67.8	19.7	1	08/26/22 10:00	08/26/22 19:16	75-69-4	
1,2,3-Trichloropropane	<33.0	ug/kg	67.8	33.0	1	08/26/22 10:00	08/26/22 19:16	96-18-4	
1,2,4-Trimethylbenzene	<20.2	ug/kg	67.8	20.2	1	08/26/22 10:00	08/26/22 19:16	95-63-6	
1,3,5-Trimethylbenzene	<21.8	ug/kg	67.8	21.8	1	08/26/22 10:00	08/26/22 19:16	108-67-8	
Vinyl chloride	<13.7	ug/kg	67.8	13.7	1	08/26/22 10:00	08/26/22 19:16	75-01-4	
Xylene (Total)	<49.0	ug/kg	203	49.0	1	08/26/22 10:00	08/26/22 19:16	1330-20-7	
m&p-Xylene	<28.6	ug/kg	136	28.6	1	08/26/22 10:00	08/26/22 19:16	179601-23-1	
o-Xylene	<20.3	ug/kg	67.8	20.3	1	08/26/22 10:00	08/26/22 19:16	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	122	%	69-153		1	08/26/22 10:00	08/26/22 19:16	2037-26-5	
4-Bromofluorobenzene (S)	139	%	68-156		1	08/26/22 10:00	08/26/22 19:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	71-161		1	08/26/22 10:00	08/26/22 19:16	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	15.1	%	0.10	0.10	1		08/25/22 11:54		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-10 (2'-3')**      **Lab ID: 40250229020**      Collected: 08/19/22 10:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>2.0J</b>	mg/kg	2.8	1.6	1	08/25/22 06:01	08/26/22 17:03	7440-38-2	
Barium	<b>72.6</b>	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 17:03	7440-39-3	
Cadmium	<b>0.19J</b>	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 17:03	7440-43-9	
Chromium	<b>28.4</b>	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 17:03	7440-47-3	
Lead	<b>8.9</b>	mg/kg	2.2	0.67	1	08/25/22 06:01	08/26/22 17:03	7439-92-1	
Selenium	<b>&lt;1.5</b>	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 17:03	7782-49-2	
Silver	<b>&lt;0.35</b>	mg/kg	1.1	0.35	1	08/25/22 06:01	08/26/22 17:03	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.036J</b>	mg/kg	0.037	0.010	1	08/25/22 09:14	08/26/22 08:38	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>&lt;2.5</b>	ug/kg	19.3	2.5	1	08/29/22 06:43	08/29/22 17:28	83-32-9	
Acenaphthylene	<b>4.9J</b>	ug/kg	19.3	2.4	1	08/29/22 06:43	08/29/22 17:28	208-96-8	
Anthracene	<b>7.3J</b>	ug/kg	19.3	2.4	1	08/29/22 06:43	08/29/22 17:28	120-12-7	
Benzo(a)anthracene	<b>28.2</b>	ug/kg	19.3	2.5	1	08/29/22 06:43	08/29/22 17:28	56-55-3	
Benzo(a)pyrene	<b>34.1</b>	ug/kg	19.3	2.2	1	08/29/22 06:43	08/29/22 17:28	50-32-8	
Benzo(b)fluoranthene	<b>45.3</b>	ug/kg	19.3	2.7	1	08/29/22 06:43	08/29/22 17:28	205-99-2	
Benzo(g,h,i)perylene	<b>28.6</b>	ug/kg	19.3	3.4	1	08/29/22 06:43	08/29/22 17:28	191-24-2	
Benzo(k)fluoranthene	<b>19.9</b>	ug/kg	19.3	2.5	1	08/29/22 06:43	08/29/22 17:28	207-08-9	
Chrysene	<b>38.5</b>	ug/kg	19.3	3.6	1	08/29/22 06:43	08/29/22 17:28	218-01-9	
Dibenz(a,h)anthracene	<b>7.8J</b>	ug/kg	19.3	2.7	1	08/29/22 06:43	08/29/22 17:28	53-70-3	
Fluoranthene	<b>60.9</b>	ug/kg	19.3	2.3	1	08/29/22 06:43	08/29/22 17:28	206-44-0	
Fluorene	<b>3.0J</b>	ug/kg	19.3	2.3	1	08/29/22 06:43	08/29/22 17:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>20.1</b>	ug/kg	19.3	4.0	1	08/29/22 06:43	08/29/22 17:28	193-39-5	
1-Methylnaphthalene	<b>6.0J</b>	ug/kg	19.3	2.8	1	08/29/22 06:43	08/29/22 17:28	90-12-0	
2-Methylnaphthalene	<b>9.2J</b>	ug/kg	19.3	2.8	1	08/29/22 06:43	08/29/22 17:28	91-57-6	
Naphthalene	<b>4.7J</b>	ug/kg	19.3	1.9	1	08/29/22 06:43	08/29/22 17:28	91-20-3	
Phenanthrene	<b>28.8</b>	ug/kg	19.3	2.2	1	08/29/22 06:43	08/29/22 17:28	85-01-8	
Pyrene	<b>50.0</b>	ug/kg	19.3	2.8	1	08/29/22 06:43	08/29/22 17:28	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	41-98		1	08/29/22 06:43	08/29/22 17:28	321-60-8	
Terphenyl-d14 (S)	74	%	37-106		1	08/29/22 06:43	08/29/22 17:28	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;15.7</b>	ug/kg	26.4	15.7	1	08/26/22 10:00	08/26/22 19:36	71-43-2	
Bromobenzene	<b>&lt;25.7</b>	ug/kg	66.0	25.7	1	08/26/22 10:00	08/26/22 19:36	108-86-1	
Bromochloromethane	<b>&lt;18.1</b>	ug/kg	66.0	18.1	1	08/26/22 10:00	08/26/22 19:36	74-97-5	
Bromodichloromethane	<b>&lt;15.7</b>	ug/kg	66.0	15.7	1	08/26/22 10:00	08/26/22 19:36	75-27-4	
Bromoform	<b>&lt;290</b>	ug/kg	330	290	1	08/26/22 10:00	08/26/22 19:36	75-25-2	
Bromomethane	<b>&lt;92.5</b>	ug/kg	330	92.5	1	08/26/22 10:00	08/26/22 19:36	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-10 (2'-3') Lab ID: 40250229020 Collected: 08/19/22 10:20 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<30.2	ug/kg	66.0	30.2	1	08/26/22 10:00	08/26/22 19:36	104-51-8	
sec-Butylbenzene	<16.1	ug/kg	66.0	16.1	1	08/26/22 10:00	08/26/22 19:36	135-98-8	
tert-Butylbenzene	<20.7	ug/kg	66.0	20.7	1	08/26/22 10:00	08/26/22 19:36	98-06-6	
Carbon tetrachloride	<14.5	ug/kg	66.0	14.5	1	08/26/22 10:00	08/26/22 19:36	56-23-5	
Chlorobenzene	<7.9	ug/kg	66.0	7.9	1	08/26/22 10:00	08/26/22 19:36	108-90-7	
Chloroethane	<27.9	ug/kg	330	27.9	1	08/26/22 10:00	08/26/22 19:36	75-00-3	
Chloroform	<47.3	ug/kg	330	47.3	1	08/26/22 10:00	08/26/22 19:36	67-66-3	
Chloromethane	<25.1	ug/kg	66.0	25.1	1	08/26/22 10:00	08/26/22 19:36	74-87-3	
2-Chlorotoluene	<21.4	ug/kg	66.0	21.4	1	08/26/22 10:00	08/26/22 19:36	95-49-8	
4-Chlorotoluene	<25.1	ug/kg	66.0	25.1	1	08/26/22 10:00	08/26/22 19:36	106-43-4	
1,2-Dibromo-3-chloropropane	<51.2	ug/kg	330	51.2	1	08/26/22 10:00	08/26/22 19:36	96-12-8	
Dibromochloromethane	<226	ug/kg	330	226	1	08/26/22 10:00	08/26/22 19:36	124-48-1	
1,2-Dibromoethane (EDB)	<18.1	ug/kg	66.0	18.1	1	08/26/22 10:00	08/26/22 19:36	106-93-4	
Dibromomethane	<19.5	ug/kg	66.0	19.5	1	08/26/22 10:00	08/26/22 19:36	74-95-3	
1,2-Dichlorobenzene	<20.5	ug/kg	66.0	20.5	1	08/26/22 10:00	08/26/22 19:36	95-50-1	
1,3-Dichlorobenzene	<18.1	ug/kg	66.0	18.1	1	08/26/22 10:00	08/26/22 19:36	541-73-1	
1,4-Dichlorobenzene	<18.1	ug/kg	66.0	18.1	1	08/26/22 10:00	08/26/22 19:36	106-46-7	
Dichlorodifluoromethane	<28.4	ug/kg	66.0	28.4	1	08/26/22 10:00	08/26/22 19:36	75-71-8	
1,1-Dichloroethane	<16.9	ug/kg	66.0	16.9	1	08/26/22 10:00	08/26/22 19:36	75-34-3	
1,2-Dichloroethane	<15.2	ug/kg	66.0	15.2	1	08/26/22 10:00	08/26/22 19:36	107-06-2	
1,1-Dichloroethene	<21.9	ug/kg	66.0	21.9	1	08/26/22 10:00	08/26/22 19:36	75-35-4	
cis-1,2-Dichloroethene	<14.1	ug/kg	66.0	14.1	1	08/26/22 10:00	08/26/22 19:36	156-59-2	
trans-1,2-Dichloroethene	<14.3	ug/kg	66.0	14.3	1	08/26/22 10:00	08/26/22 19:36	156-60-5	
1,2-Dichloropropane	<15.7	ug/kg	66.0	15.7	1	08/26/22 10:00	08/26/22 19:36	78-87-5	
1,3-Dichloropropane	<14.4	ug/kg	66.0	14.4	1	08/26/22 10:00	08/26/22 19:36	142-28-9	
2,2-Dichloropropane	<17.8	ug/kg	66.0	17.8	1	08/26/22 10:00	08/26/22 19:36	594-20-7	
1,1-Dichloropropene	<21.4	ug/kg	66.0	21.4	1	08/26/22 10:00	08/26/22 19:36	563-58-6	
cis-1,3-Dichloropropene	<43.6	ug/kg	330	43.6	1	08/26/22 10:00	08/26/22 19:36	10061-01-5	
trans-1,3-Dichloropropene	<189	ug/kg	330	189	1	08/26/22 10:00	08/26/22 19:36	10061-02-6	
Diisopropyl ether	<16.4	ug/kg	66.0	16.4	1	08/26/22 10:00	08/26/22 19:36	108-20-3	
Ethylbenzene	<15.7	ug/kg	66.0	15.7	1	08/26/22 10:00	08/26/22 19:36	100-41-4	
Hexachloro-1,3-butadiene	<131	ug/kg	330	131	1	08/26/22 10:00	08/26/22 19:36	87-68-3	
Isopropylbenzene (Cumene)	<17.8	ug/kg	66.0	17.8	1	08/26/22 10:00	08/26/22 19:36	98-82-8	
p-Isopropyltoluene	<20.1	ug/kg	66.0	20.1	1	08/26/22 10:00	08/26/22 19:36	99-87-6	
Methylene Chloride	<18.3	ug/kg	66.0	18.3	1	08/26/22 10:00	08/26/22 19:36	75-09-2	
Methyl-tert-butyl ether	<19.4	ug/kg	66.0	19.4	1	08/26/22 10:00	08/26/22 19:36	1634-04-4	
Naphthalene	<20.6	ug/kg	330	20.6	1	08/26/22 10:00	08/26/22 19:36	91-20-3	
n-Propylbenzene	<15.8	ug/kg	66.0	15.8	1	08/26/22 10:00	08/26/22 19:36	103-65-1	
Styrene	<16.9	ug/kg	66.0	16.9	1	08/26/22 10:00	08/26/22 19:36	100-42-5	
1,1,1,2-Tetrachloroethane	<15.8	ug/kg	66.0	15.8	1	08/26/22 10:00	08/26/22 19:36	630-20-6	
1,1,1,2,2-Tetrachloroethane	<23.9	ug/kg	66.0	23.9	1	08/26/22 10:00	08/26/22 19:36	79-34-5	
Tetrachloroethene	<25.6	ug/kg	66.0	25.6	1	08/26/22 10:00	08/26/22 19:36	127-18-4	
Toluene	<16.6	ug/kg	66.0	16.6	1	08/26/22 10:00	08/26/22 19:36	108-88-3	
1,2,3-Trichlorobenzene	<73.5	ug/kg	330	73.5	1	08/26/22 10:00	08/26/22 19:36	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-10 (2'-3')**      **Lab ID: 40250229020**      Collected: 08/19/22 10:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<54.4	ug/kg	330	54.4	1	08/26/22 10:00	08/26/22 19:36	120-82-1	
1,1,1-Trichloroethane	<16.9	ug/kg	66.0	16.9	1	08/26/22 10:00	08/26/22 19:36	71-55-6	
1,1,2-Trichloroethane	<24.0	ug/kg	66.0	24.0	1	08/26/22 10:00	08/26/22 19:36	79-00-5	
Trichloroethene	<24.7	ug/kg	66.0	24.7	1	08/26/22 10:00	08/26/22 19:36	79-01-6	
Trichlorofluoromethane	<19.1	ug/kg	66.0	19.1	1	08/26/22 10:00	08/26/22 19:36	75-69-4	
1,2,3-Trichloropropane	<32.1	ug/kg	66.0	32.1	1	08/26/22 10:00	08/26/22 19:36	96-18-4	
1,2,4-Trimethylbenzene	<19.7	ug/kg	66.0	19.7	1	08/26/22 10:00	08/26/22 19:36	95-63-6	
1,3,5-Trimethylbenzene	<21.3	ug/kg	66.0	21.3	1	08/26/22 10:00	08/26/22 19:36	108-67-8	
Vinyl chloride	<13.3	ug/kg	66.0	13.3	1	08/26/22 10:00	08/26/22 19:36	75-01-4	
Xylene (Total)	<47.7	ug/kg	198	47.7	1	08/26/22 10:00	08/26/22 19:36	1330-20-7	
m&p-Xylene	<27.9	ug/kg	132	27.9	1	08/26/22 10:00	08/26/22 19:36	179601-23-1	
o-Xylene	<19.8	ug/kg	66.0	19.8	1	08/26/22 10:00	08/26/22 19:36	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	117	%	69-153		1	08/26/22 10:00	08/26/22 19:36	2037-26-5	
4-Bromofluorobenzene (S)	143	%	68-156		1	08/26/22 10:00	08/26/22 19:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	123	%	71-161		1	08/26/22 10:00	08/26/22 19:36	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	<b>13.8</b>	%	0.10	0.10	1		08/25/22 11:54		
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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-10 (3'-4')**      **Lab ID: 40250229021**      Collected: 08/19/22 10:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.6	mg/kg	2.6	1.5	1	08/25/22 06:01	08/26/22 17:06	7440-38-2	
Barium	61.6	mg/kg	0.51	0.15	1	08/25/22 06:01	08/26/22 17:06	7440-39-3	
Cadmium	1.1	mg/kg	0.51	0.14	1	08/25/22 06:01	08/26/22 17:06	7440-43-9	
Chromium	15.2	mg/kg	1.0	0.29	1	08/25/22 06:01	08/26/22 17:06	7440-47-3	
Lead	200	mg/kg	2.1	0.62	1	08/25/22 06:01	08/26/22 17:06	7439-92-1	
Selenium	<1.3	mg/kg	4.1	1.3	1	08/25/22 06:01	08/26/22 17:06	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	08/25/22 06:01	08/26/22 17:06	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.093	mg/kg	0.035	0.010	1	08/25/22 09:14	08/26/22 08:40	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	1310J	ug/kg	3150	409	5	08/29/22 06:43	08/29/22 18:20	83-32-9	
Acenaphthylene	<397	ug/kg	3150	397	5	08/29/22 06:43	08/29/22 18:20	208-96-8	
Anthracene	4390	ug/kg	3150	391	5	08/29/22 06:43	08/29/22 18:20	120-12-7	
Benzo(a)anthracene	14300	ug/kg	3150	407	5	08/29/22 06:43	08/29/22 18:20	56-55-3	
Benzo(a)pyrene	17700	ug/kg	3150	358	5	08/29/22 06:43	08/29/22 18:20	50-32-8	
Benzo(b)fluoranthene	24800	ug/kg	3150	437	5	08/29/22 06:43	08/29/22 18:20	205-99-2	
Benzo(g,h,i)perylene	13000	ug/kg	3150	553	5	08/29/22 06:43	08/29/22 18:20	191-24-2	
Benzo(k)fluoranthene	10400	ug/kg	3150	403	5	08/29/22 06:43	08/29/22 18:20	207-08-9	
Chrysene	20500	ug/kg	3150	594	5	08/29/22 06:43	08/29/22 18:20	218-01-9	
Dibenz(a,h)anthracene	3550	ug/kg	3150	436	5	08/29/22 06:43	08/29/22 18:20	53-70-3	
Fluoranthene	41500	ug/kg	3150	373	5	08/29/22 06:43	08/29/22 18:20	206-44-0	
Fluorene	1590J	ug/kg	3150	378	5	08/29/22 06:43	08/29/22 18:20	86-73-7	
Indeno(1,2,3-cd)pyrene	10700	ug/kg	3150	657	5	08/29/22 06:43	08/29/22 18:20	193-39-5	
1-Methylnaphthalene	<460	ug/kg	3150	460	5	08/29/22 06:43	08/29/22 18:20	90-12-0	
2-Methylnaphthalene	<461	ug/kg	3150	461	5	08/29/22 06:43	08/29/22 18:20	91-57-6	
Naphthalene	<307	ug/kg	3150	307	5	08/29/22 06:43	08/29/22 18:20	91-20-3	
Phenanthrene	20500	ug/kg	3150	361	5	08/29/22 06:43	08/29/22 18:20	85-01-8	
Pyrene	32100	ug/kg	3150	463	5	08/29/22 06:43	08/29/22 18:20	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	0	%	41-98		5	08/29/22 06:43	08/29/22 18:20	321-60-8	S4
Terphenyl-d14 (S)	73	%	37-106		5	08/29/22 06:43	08/29/22 18:20	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	343	ug/kg	23.1	13.8	1	08/26/22 10:00	08/26/22 19:55	71-43-2	
Bromobenzene	<22.5	ug/kg	57.8	22.5	1	08/26/22 10:00	08/26/22 19:55	108-86-1	
Bromochloromethane	<15.8	ug/kg	57.8	15.8	1	08/26/22 10:00	08/26/22 19:55	74-97-5	
Bromodichloromethane	<13.8	ug/kg	57.8	13.8	1	08/26/22 10:00	08/26/22 19:55	75-27-4	
Bromoform	<254	ug/kg	289	254	1	08/26/22 10:00	08/26/22 19:55	75-25-2	
Bromomethane	<81.1	ug/kg	289	81.1	1	08/26/22 10:00	08/26/22 19:55	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-10 (3'-4') Lab ID: 40250229021 Collected: 08/19/22 10:30 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<26.5	ug/kg	57.8	26.5	1	08/26/22 10:00	08/26/22 19:55	104-51-8	
sec-Butylbenzene	<14.1	ug/kg	57.8	14.1	1	08/26/22 10:00	08/26/22 19:55	135-98-8	
tert-Butylbenzene	<18.2	ug/kg	57.8	18.2	1	08/26/22 10:00	08/26/22 19:55	98-06-6	
Carbon tetrachloride	<12.7	ug/kg	57.8	12.7	1	08/26/22 10:00	08/26/22 19:55	56-23-5	
Chlorobenzene	<6.9	ug/kg	57.8	6.9	1	08/26/22 10:00	08/26/22 19:55	108-90-7	
Chloroethane	<24.4	ug/kg	289	24.4	1	08/26/22 10:00	08/26/22 19:55	75-00-3	
Chloroform	<41.4	ug/kg	289	41.4	1	08/26/22 10:00	08/26/22 19:55	67-66-3	
Chloromethane	<22.0	ug/kg	57.8	22.0	1	08/26/22 10:00	08/26/22 19:55	74-87-3	
2-Chlorotoluene	<18.7	ug/kg	57.8	18.7	1	08/26/22 10:00	08/26/22 19:55	95-49-8	
4-Chlorotoluene	<22.0	ug/kg	57.8	22.0	1	08/26/22 10:00	08/26/22 19:55	106-43-4	
1,2-Dibromo-3-chloropropane	<44.9	ug/kg	289	44.9	1	08/26/22 10:00	08/26/22 19:55	96-12-8	
Dibromochloromethane	<198	ug/kg	289	198	1	08/26/22 10:00	08/26/22 19:55	124-48-1	
1,2-Dibromoethane (EDB)	<15.8	ug/kg	57.8	15.8	1	08/26/22 10:00	08/26/22 19:55	106-93-4	
Dibromomethane	<17.1	ug/kg	57.8	17.1	1	08/26/22 10:00	08/26/22 19:55	74-95-3	
1,2-Dichlorobenzene	<17.9	ug/kg	57.8	17.9	1	08/26/22 10:00	08/26/22 19:55	95-50-1	
1,3-Dichlorobenzene	<15.8	ug/kg	57.8	15.8	1	08/26/22 10:00	08/26/22 19:55	541-73-1	
1,4-Dichlorobenzene	<15.8	ug/kg	57.8	15.8	1	08/26/22 10:00	08/26/22 19:55	106-46-7	
Dichlorodifluoromethane	<24.9	ug/kg	57.8	24.9	1	08/26/22 10:00	08/26/22 19:55	75-71-8	
1,1-Dichloroethane	<14.8	ug/kg	57.8	14.8	1	08/26/22 10:00	08/26/22 19:55	75-34-3	
1,2-Dichloroethane	<13.3	ug/kg	57.8	13.3	1	08/26/22 10:00	08/26/22 19:55	107-06-2	
1,1-Dichloroethene	<19.2	ug/kg	57.8	19.2	1	08/26/22 10:00	08/26/22 19:55	75-35-4	
cis-1,2-Dichloroethene	<12.4	ug/kg	57.8	12.4	1	08/26/22 10:00	08/26/22 19:55	156-59-2	
trans-1,2-Dichloroethene	<12.5	ug/kg	57.8	12.5	1	08/26/22 10:00	08/26/22 19:55	156-60-5	
1,2-Dichloropropane	<13.8	ug/kg	57.8	13.8	1	08/26/22 10:00	08/26/22 19:55	78-87-5	
1,3-Dichloropropane	<12.6	ug/kg	57.8	12.6	1	08/26/22 10:00	08/26/22 19:55	142-28-9	
2,2-Dichloropropane	<15.6	ug/kg	57.8	15.6	1	08/26/22 10:00	08/26/22 19:55	594-20-7	
1,1-Dichloropropene	<18.7	ug/kg	57.8	18.7	1	08/26/22 10:00	08/26/22 19:55	563-58-6	
cis-1,3-Dichloropropene	<38.2	ug/kg	289	38.2	1	08/26/22 10:00	08/26/22 19:55	10061-01-5	
trans-1,3-Dichloropropene	<165	ug/kg	289	165	1	08/26/22 10:00	08/26/22 19:55	10061-02-6	
Diisopropyl ether	<14.3	ug/kg	57.8	14.3	1	08/26/22 10:00	08/26/22 19:55	108-20-3	
Ethylbenzene	88.3	ug/kg	57.8	13.8	1	08/26/22 10:00	08/26/22 19:55	100-41-4	
Hexachloro-1,3-butadiene	<115	ug/kg	289	115	1	08/26/22 10:00	08/26/22 19:55	87-68-3	
Isopropylbenzene (Cumene)	31.4J	ug/kg	57.8	15.6	1	08/26/22 10:00	08/26/22 19:55	98-82-8	
p-Isopropyltoluene	<17.6	ug/kg	57.8	17.6	1	08/26/22 10:00	08/26/22 19:55	99-87-6	
Methylene Chloride	<16.1	ug/kg	57.8	16.1	1	08/26/22 10:00	08/26/22 19:55	75-09-2	
Methyl-tert-butyl ether	<17.0	ug/kg	57.8	17.0	1	08/26/22 10:00	08/26/22 19:55	1634-04-4	
Naphthalene	435	ug/kg	289	18.0	1	08/26/22 10:00	08/26/22 19:55	91-20-3	
n-Propylbenzene	42.3J	ug/kg	57.8	13.9	1	08/26/22 10:00	08/26/22 19:55	103-65-1	
Styrene	<14.8	ug/kg	57.8	14.8	1	08/26/22 10:00	08/26/22 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	<13.9	ug/kg	57.8	13.9	1	08/26/22 10:00	08/26/22 19:55	630-20-6	
1,1,1,2,2-Tetrachloroethane	<20.9	ug/kg	57.8	20.9	1	08/26/22 10:00	08/26/22 19:55	79-34-5	
Tetrachloroethene	<22.4	ug/kg	57.8	22.4	1	08/26/22 10:00	08/26/22 19:55	127-18-4	
Toluene	1100	ug/kg	57.8	14.6	1	08/26/22 10:00	08/26/22 19:55	108-88-3	
1,2,3-Trichlorobenzene	<64.4	ug/kg	289	64.4	1	08/26/22 10:00	08/26/22 19:55	87-61-6	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-10 (3'-4')**      **Lab ID: 40250229021**      Collected: 08/19/22 10:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<47.6	ug/kg	289	47.6	1	08/26/22 10:00	08/26/22 19:55	120-82-1	
1,1,1-Trichloroethane	<14.8	ug/kg	57.8	14.8	1	08/26/22 10:00	08/26/22 19:55	71-55-6	
1,1,2-Trichloroethane	<21.0	ug/kg	57.8	21.0	1	08/26/22 10:00	08/26/22 19:55	79-00-5	
Trichloroethene	<21.6	ug/kg	57.8	21.6	1	08/26/22 10:00	08/26/22 19:55	79-01-6	
Trichlorofluoromethane	<16.8	ug/kg	57.8	16.8	1	08/26/22 10:00	08/26/22 19:55	75-69-4	
1,2,3-Trichloropropane	<28.1	ug/kg	57.8	28.1	1	08/26/22 10:00	08/26/22 19:55	96-18-4	
1,2,4-Trimethylbenzene	202	ug/kg	57.8	17.2	1	08/26/22 10:00	08/26/22 19:55	95-63-6	
1,3,5-Trimethylbenzene	42.9J	ug/kg	57.8	18.6	1	08/26/22 10:00	08/26/22 19:55	108-67-8	
Vinyl chloride	<11.7	ug/kg	57.8	11.7	1	08/26/22 10:00	08/26/22 19:55	75-01-4	
Xylene (Total)	854	ug/kg	173	41.7	1	08/26/22 10:00	08/26/22 19:55	1330-20-7	
m&p-Xylene	556	ug/kg	116	24.4	1	08/26/22 10:00	08/26/22 19:55	179601-23-1	
o-Xylene	298	ug/kg	57.8	17.3	1	08/26/22 10:00	08/26/22 19:55	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	120	%	69-153		1	08/26/22 10:00	08/26/22 19:55	2037-26-5	
4-Bromofluorobenzene (S)	147	%	68-156		1	08/26/22 10:00	08/26/22 19:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	128	%	71-161		1	08/26/22 10:00	08/26/22 19:55	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.2	%	0.10	0.10	1		08/25/22 11:54		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-11 (1'-2')**      **Lab ID: 40250229022**      Collected: 08/19/22 09:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>3.4J</b>	mg/kg	5.3	3.1	2	08/25/22 06:01	08/30/22 17:33	7440-38-2	D3
Barium	<b>38.7</b>	mg/kg	1.1	0.32	2	08/25/22 06:01	08/30/22 17:33	7440-39-3	
Cadmium	<b>&lt;0.28</b>	mg/kg	1.1	0.28	2	08/25/22 06:01	08/30/22 17:33	7440-43-9	D3
Chromium	<b>13.6</b>	mg/kg	2.1	0.59	2	08/25/22 06:01	08/30/22 17:33	7440-47-3	
Lead	<b>26.0</b>	mg/kg	4.2	1.3	2	08/25/22 06:01	08/30/22 17:33	7439-92-1	
Selenium	<b>&lt;2.8</b>	mg/kg	8.4	2.8	2	08/25/22 06:01	08/30/22 17:33	7782-49-2	D3
Silver	<b>&lt;0.65</b>	mg/kg	2.1	0.65	2	08/25/22 06:01	08/30/22 17:33	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.080</b>	mg/kg	0.036	0.010	1	08/25/22 09:14	08/26/22 08:42	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>19.8J</b>	ug/kg	75.3	9.8	4	08/29/22 06:43	08/29/22 20:56	83-32-9	
Acenaphthylene	<b>14.3J</b>	ug/kg	75.3	9.5	4	08/29/22 06:43	08/29/22 20:56	208-96-8	
Anthracene	<b>96.1</b>	ug/kg	75.3	9.3	4	08/29/22 06:43	08/29/22 20:56	120-12-7	
Benzo(a)anthracene	<b>292</b>	ug/kg	75.3	9.7	4	08/29/22 06:43	08/29/22 20:56	56-55-3	
Benzo(a)pyrene	<b>350</b>	ug/kg	75.3	8.6	4	08/29/22 06:43	08/29/22 20:56	50-32-8	
Benzo(b)fluoranthene	<b>502</b>	ug/kg	75.3	10.5	4	08/29/22 06:43	08/29/22 20:56	205-99-2	
Benzo(g,h,i)perylene	<b>234</b>	ug/kg	75.3	13.2	4	08/29/22 06:43	08/29/22 20:56	191-24-2	
Benzo(k)fluoranthene	<b>171</b>	ug/kg	75.3	9.6	4	08/29/22 06:43	08/29/22 20:56	207-08-9	
Chrysene	<b>388</b>	ug/kg	75.3	14.2	4	08/29/22 06:43	08/29/22 20:56	218-01-9	
Dibenz(a,h)anthracene	<b>66.9J</b>	ug/kg	75.3	10.4	4	08/29/22 06:43	08/29/22 20:56	53-70-3	
Fluoranthene	<b>743</b>	ug/kg	75.3	8.9	4	08/29/22 06:43	08/29/22 20:56	206-44-0	
Fluorene	<b>22.0J</b>	ug/kg	75.3	9.0	4	08/29/22 06:43	08/29/22 20:56	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>191</b>	ug/kg	75.3	15.7	4	08/29/22 06:43	08/29/22 20:56	193-39-5	
1-Methylnaphthalene	<b>63.4J</b>	ug/kg	75.3	11.0	4	08/29/22 06:43	08/29/22 20:56	90-12-0	
2-Methylnaphthalene	<b>72.6J</b>	ug/kg	75.3	11.0	4	08/29/22 06:43	08/29/22 20:56	91-57-6	
Naphthalene	<b>55.5J</b>	ug/kg	75.3	7.3	4	08/29/22 06:43	08/29/22 20:56	91-20-3	
Phenanthrene	<b>388</b>	ug/kg	75.3	8.6	4	08/29/22 06:43	08/29/22 20:56	85-01-8	
Pyrene	<b>621</b>	ug/kg	75.3	11.1	4	08/29/22 06:43	08/29/22 20:56	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	41-98		4	08/29/22 06:43	08/29/22 20:56	321-60-8	
Terphenyl-d14 (S)	73	%	37-106		4	08/29/22 06:43	08/29/22 20:56	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>33.6</b>	ug/kg	25.2	15.0	1	08/26/22 10:00	08/29/22 11:50	71-43-2	
Bromobenzene	<b>&lt;24.5</b>	ug/kg	62.9	24.5	1	08/26/22 10:00	08/29/22 11:50	108-86-1	
Bromochloromethane	<b>&lt;17.2</b>	ug/kg	62.9	17.2	1	08/26/22 10:00	08/29/22 11:50	74-97-5	
Bromodichloromethane	<b>&lt;15.0</b>	ug/kg	62.9	15.0	1	08/26/22 10:00	08/29/22 11:50	75-27-4	
Bromoform	<b>&lt;277</b>	ug/kg	315	277	1	08/26/22 10:00	08/29/22 11:50	75-25-2	
Bromomethane	<b>&lt;88.2</b>	ug/kg	315	88.2	1	08/26/22 10:00	08/29/22 11:50	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-11 (1'-2')**      **Lab ID: 40250229022**      Collected: 08/19/22 09:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<28.8	ug/kg	62.9	28.8	1	08/26/22 10:00	08/29/22 11:50	104-51-8	
sec-Butylbenzene	<15.4	ug/kg	62.9	15.4	1	08/26/22 10:00	08/29/22 11:50	135-98-8	
tert-Butylbenzene	<19.8	ug/kg	62.9	19.8	1	08/26/22 10:00	08/29/22 11:50	98-06-6	
Carbon tetrachloride	<13.8	ug/kg	62.9	13.8	1	08/26/22 10:00	08/29/22 11:50	56-23-5	
Chlorobenzene	<7.5	ug/kg	62.9	7.5	1	08/26/22 10:00	08/29/22 11:50	108-90-7	
Chloroethane	<26.6	ug/kg	315	26.6	1	08/26/22 10:00	08/29/22 11:50	75-00-3	
Chloroform	<45.1	ug/kg	315	45.1	1	08/26/22 10:00	08/29/22 11:50	67-66-3	
Chloromethane	<23.9	ug/kg	62.9	23.9	1	08/26/22 10:00	08/29/22 11:50	74-87-3	
2-Chlorotoluene	<20.4	ug/kg	62.9	20.4	1	08/26/22 10:00	08/29/22 11:50	95-49-8	
4-Chlorotoluene	<23.9	ug/kg	62.9	23.9	1	08/26/22 10:00	08/29/22 11:50	106-43-4	
1,2-Dibromo-3-chloropropane	<48.8	ug/kg	315	48.8	1	08/26/22 10:00	08/29/22 11:50	96-12-8	
Dibromochloromethane	<215	ug/kg	315	215	1	08/26/22 10:00	08/29/22 11:50	124-48-1	
1,2-Dibromoethane (EDB)	<17.2	ug/kg	62.9	17.2	1	08/26/22 10:00	08/29/22 11:50	106-93-4	
Dibromomethane	<18.6	ug/kg	62.9	18.6	1	08/26/22 10:00	08/29/22 11:50	74-95-3	
1,2-Dichlorobenzene	<19.5	ug/kg	62.9	19.5	1	08/26/22 10:00	08/29/22 11:50	95-50-1	
1,3-Dichlorobenzene	<17.2	ug/kg	62.9	17.2	1	08/26/22 10:00	08/29/22 11:50	541-73-1	
1,4-Dichlorobenzene	<17.2	ug/kg	62.9	17.2	1	08/26/22 10:00	08/29/22 11:50	106-46-7	
Dichlorodifluoromethane	<27.1	ug/kg	62.9	27.1	1	08/26/22 10:00	08/29/22 11:50	75-71-8	
1,1-Dichloroethane	<16.1	ug/kg	62.9	16.1	1	08/26/22 10:00	08/29/22 11:50	75-34-3	
1,2-Dichloroethane	<14.5	ug/kg	62.9	14.5	1	08/26/22 10:00	08/29/22 11:50	107-06-2	
1,1-Dichloroethene	<20.9	ug/kg	62.9	20.9	1	08/26/22 10:00	08/29/22 11:50	75-35-4	
cis-1,2-Dichloroethene	<13.5	ug/kg	62.9	13.5	1	08/26/22 10:00	08/29/22 11:50	156-59-2	
trans-1,2-Dichloroethene	<13.6	ug/kg	62.9	13.6	1	08/26/22 10:00	08/29/22 11:50	156-60-5	
1,2-Dichloropropane	<15.0	ug/kg	62.9	15.0	1	08/26/22 10:00	08/29/22 11:50	78-87-5	
1,3-Dichloropropane	<13.7	ug/kg	62.9	13.7	1	08/26/22 10:00	08/29/22 11:50	142-28-9	
2,2-Dichloropropane	<17.0	ug/kg	62.9	17.0	1	08/26/22 10:00	08/29/22 11:50	594-20-7	
1,1-Dichloropropene	<20.4	ug/kg	62.9	20.4	1	08/26/22 10:00	08/29/22 11:50	563-58-6	
cis-1,3-Dichloropropene	<41.5	ug/kg	315	41.5	1	08/26/22 10:00	08/29/22 11:50	10061-01-5	
trans-1,3-Dichloropropene	<180	ug/kg	315	180	1	08/26/22 10:00	08/29/22 11:50	10061-02-6	
Diisopropyl ether	<15.6	ug/kg	62.9	15.6	1	08/26/22 10:00	08/29/22 11:50	108-20-3	
Ethylbenzene	34.9J	ug/kg	62.9	15.0	1	08/26/22 10:00	08/29/22 11:50	100-41-4	
Hexachloro-1,3-butadiene	<125	ug/kg	315	125	1	08/26/22 10:00	08/29/22 11:50	87-68-3	
Isopropylbenzene (Cumene)	<17.0	ug/kg	62.9	17.0	1	08/26/22 10:00	08/29/22 11:50	98-82-8	
p-Isopropyltoluene	<19.1	ug/kg	62.9	19.1	1	08/26/22 10:00	08/29/22 11:50	99-87-6	
Methylene Chloride	<17.5	ug/kg	62.9	17.5	1	08/26/22 10:00	08/29/22 11:50	75-09-2	
Methyl-tert-butyl ether	<18.5	ug/kg	62.9	18.5	1	08/26/22 10:00	08/29/22 11:50	1634-04-4	
Naphthalene	66.3J	ug/kg	315	19.6	1	08/26/22 10:00	08/29/22 11:50	91-20-3	
n-Propylbenzene	25.7J	ug/kg	62.9	15.1	1	08/26/22 10:00	08/29/22 11:50	103-65-1	
Styrene	<16.1	ug/kg	62.9	16.1	1	08/26/22 10:00	08/29/22 11:50	100-42-5	
1,1,1,2-Tetrachloroethane	<15.1	ug/kg	62.9	15.1	1	08/26/22 10:00	08/29/22 11:50	630-20-6	
1,1,1,2,2-Tetrachloroethane	<22.8	ug/kg	62.9	22.8	1	08/26/22 10:00	08/29/22 11:50	79-34-5	
Tetrachloroethene	<24.4	ug/kg	62.9	24.4	1	08/26/22 10:00	08/29/22 11:50	127-18-4	
Toluene	227	ug/kg	62.9	15.9	1	08/26/22 10:00	08/29/22 11:50	108-88-3	
1,2,3-Trichlorobenzene	<70.1	ug/kg	315	70.1	1	08/26/22 10:00	08/29/22 11:50	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-11 (1'-2')**      **Lab ID: 40250229022**      Collected: 08/19/22 09:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<51.9	ug/kg	315	51.9	1	08/26/22 10:00	08/29/22 11:50	120-82-1	
1,1,1-Trichloroethane	<16.1	ug/kg	62.9	16.1	1	08/26/22 10:00	08/29/22 11:50	71-55-6	
1,1,2-Trichloroethane	<22.9	ug/kg	62.9	22.9	1	08/26/22 10:00	08/29/22 11:50	79-00-5	
Trichloroethene	<23.5	ug/kg	62.9	23.5	1	08/26/22 10:00	08/29/22 11:50	79-01-6	
Trichlorofluoromethane	<18.2	ug/kg	62.9	18.2	1	08/26/22 10:00	08/29/22 11:50	75-69-4	
1,2,3-Trichloropropane	<30.6	ug/kg	62.9	30.6	1	08/26/22 10:00	08/29/22 11:50	96-18-4	
1,2,4-Trimethylbenzene	27.6J	ug/kg	62.9	18.8	1	08/26/22 10:00	08/29/22 11:50	95-63-6	
1,3,5-Trimethylbenzene	<20.3	ug/kg	62.9	20.3	1	08/26/22 10:00	08/29/22 11:50	108-67-8	
Vinyl chloride	<12.7	ug/kg	62.9	12.7	1	08/26/22 10:00	08/29/22 11:50	75-01-4	
Xylene (Total)	144J	ug/kg	189	45.4	1	08/26/22 10:00	08/29/22 11:50	1330-20-7	
m&p-Xylene	81.2J	ug/kg	126	26.6	1	08/26/22 10:00	08/29/22 11:50	179601-23-1	
o-Xylene	63.0	ug/kg	62.9	18.9	1	08/26/22 10:00	08/29/22 11:50	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	120	%	69-153		1	08/26/22 10:00	08/29/22 11:50	2037-26-5	
4-Bromofluorobenzene (S)	142	%	68-156		1	08/26/22 10:00	08/29/22 11:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	134	%	71-161		1	08/26/22 10:00	08/29/22 11:50	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.5	%	0.10	0.10	1		08/25/22 11:54		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-11 (2'-3')**      **Lab ID: 40250229023**      Collected: 08/19/22 09:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>2.1J</b>	mg/kg	2.8	1.6	1	08/25/22 06:01	08/29/22 21:32	7440-38-2	
Barium	<b>51.1</b>	mg/kg	0.55	0.17	1	08/25/22 06:01	08/29/22 21:32	7440-39-3	
Cadmium	<b>0.25J</b>	mg/kg	0.55	0.15	1	08/25/22 06:01	08/29/22 21:32	7440-43-9	
Chromium	<b>18.3</b>	mg/kg	1.1	0.31	1	08/25/22 06:01	08/29/22 21:32	7440-47-3	
Lead	<b>25.2</b>	mg/kg	2.2	0.66	1	08/25/22 06:01	08/29/22 21:32	7439-92-1	
Selenium	<b>&lt;1.5</b>	mg/kg	4.4	1.5	1	08/25/22 06:01	08/29/22 21:32	7782-49-2	
Silver	<b>&lt;0.34</b>	mg/kg	1.1	0.34	1	08/25/22 06:01	08/29/22 21:32	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.15</b>	mg/kg	0.036	0.010	1	08/25/22 09:14	08/26/22 08:45	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>35.8J</b>	ug/kg	76.1	9.9	4	08/29/22 06:43	08/29/22 21:13	83-32-9	
Acenaphthylene	<b>17.3J</b>	ug/kg	76.1	9.6	4	08/29/22 06:43	08/29/22 21:13	208-96-8	
Anthracene	<b>110</b>	ug/kg	76.1	9.4	4	08/29/22 06:43	08/29/22 21:13	120-12-7	
Benzo(a)anthracene	<b>237</b>	ug/kg	76.1	9.8	4	08/29/22 06:43	08/29/22 21:13	56-55-3	
Benzo(a)pyrene	<b>250</b>	ug/kg	76.1	8.6	4	08/29/22 06:43	08/29/22 21:13	50-32-8	
Benzo(b)fluoranthene	<b>313</b>	ug/kg	76.1	10.6	4	08/29/22 06:43	08/29/22 21:13	205-99-2	
Benzo(g,h,i)perylene	<b>146</b>	ug/kg	76.1	13.4	4	08/29/22 06:43	08/29/22 21:13	191-24-2	
Benzo(k)fluoranthene	<b>133</b>	ug/kg	76.1	9.7	4	08/29/22 06:43	08/29/22 21:13	207-08-9	
Chrysene	<b>305</b>	ug/kg	76.1	14.4	4	08/29/22 06:43	08/29/22 21:13	218-01-9	
Dibenz(a,h)anthracene	<b>43.0J</b>	ug/kg	76.1	10.5	4	08/29/22 06:43	08/29/22 21:13	53-70-3	
Fluoranthene	<b>590</b>	ug/kg	76.1	9.0	4	08/29/22 06:43	08/29/22 21:13	206-44-0	
Fluorene	<b>32.9J</b>	ug/kg	76.1	9.1	4	08/29/22 06:43	08/29/22 21:13	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>117</b>	ug/kg	76.1	15.9	4	08/29/22 06:43	08/29/22 21:13	193-39-5	
1-Methylnaphthalene	<b>44.8J</b>	ug/kg	76.1	11.1	4	08/29/22 06:43	08/29/22 21:13	90-12-0	
2-Methylnaphthalene	<b>52.1J</b>	ug/kg	76.1	11.1	4	08/29/22 06:43	08/29/22 21:13	91-57-6	
Naphthalene	<b>40.5J</b>	ug/kg	76.1	7.4	4	08/29/22 06:43	08/29/22 21:13	91-20-3	
Phenanthrene	<b>434</b>	ug/kg	76.1	8.7	4	08/29/22 06:43	08/29/22 21:13	85-01-8	
Pyrene	<b>513</b>	ug/kg	76.1	11.2	4	08/29/22 06:43	08/29/22 21:13	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	41-98		4	08/29/22 06:43	08/29/22 21:13	321-60-8	
Terphenyl-d14 (S)	70	%	37-106		4	08/29/22 06:43	08/29/22 21:13	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;15.3</b>	ug/kg	25.6	15.3	1	08/26/22 10:00	08/29/22 12:09	71-43-2	
Bromobenzene	<b>&lt;25.0</b>	ug/kg	64.1	25.0	1	08/26/22 10:00	08/29/22 12:09	108-86-1	
Bromochloromethane	<b>&lt;17.6</b>	ug/kg	64.1	17.6	1	08/26/22 10:00	08/29/22 12:09	74-97-5	
Bromodichloromethane	<b>&lt;15.3</b>	ug/kg	64.1	15.3	1	08/26/22 10:00	08/29/22 12:09	75-27-4	
Bromoform	<b>&lt;282</b>	ug/kg	320	282	1	08/26/22 10:00	08/29/22 12:09	75-25-2	
Bromomethane	<b>&lt;89.9</b>	ug/kg	320	89.9	1	08/26/22 10:00	08/29/22 12:09	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

**Sample: PB-11 (2'-3')**      **Lab ID: 40250229023**      Collected: 08/19/22 09:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<29.4	ug/kg	64.1	29.4	1	08/26/22 10:00	08/29/22 12:09	104-51-8	
sec-Butylbenzene	<15.6	ug/kg	64.1	15.6	1	08/26/22 10:00	08/29/22 12:09	135-98-8	
tert-Butylbenzene	<20.1	ug/kg	64.1	20.1	1	08/26/22 10:00	08/29/22 12:09	98-06-6	
Carbon tetrachloride	<14.1	ug/kg	64.1	14.1	1	08/26/22 10:00	08/29/22 12:09	56-23-5	
Chlorobenzene	<7.7	ug/kg	64.1	7.7	1	08/26/22 10:00	08/29/22 12:09	108-90-7	
Chloroethane	<27.0	ug/kg	320	27.0	1	08/26/22 10:00	08/29/22 12:09	75-00-3	
Chloroform	<45.9	ug/kg	320	45.9	1	08/26/22 10:00	08/29/22 12:09	67-66-3	
Chloromethane	<24.4	ug/kg	64.1	24.4	1	08/26/22 10:00	08/29/22 12:09	74-87-3	
2-Chlorotoluene	<20.8	ug/kg	64.1	20.8	1	08/26/22 10:00	08/29/22 12:09	95-49-8	
4-Chlorotoluene	<24.4	ug/kg	64.1	24.4	1	08/26/22 10:00	08/29/22 12:09	106-43-4	
1,2-Dibromo-3-chloropropane	<49.7	ug/kg	320	49.7	1	08/26/22 10:00	08/29/22 12:09	96-12-8	
Dibromochloromethane	<219	ug/kg	320	219	1	08/26/22 10:00	08/29/22 12:09	124-48-1	
1,2-Dibromoethane (EDB)	<17.6	ug/kg	64.1	17.6	1	08/26/22 10:00	08/29/22 12:09	106-93-4	
Dibromomethane	<19.0	ug/kg	64.1	19.0	1	08/26/22 10:00	08/29/22 12:09	74-95-3	
1,2-Dichlorobenzene	<19.9	ug/kg	64.1	19.9	1	08/26/22 10:00	08/29/22 12:09	95-50-1	
1,3-Dichlorobenzene	<17.6	ug/kg	64.1	17.6	1	08/26/22 10:00	08/29/22 12:09	541-73-1	
1,4-Dichlorobenzene	<17.6	ug/kg	64.1	17.6	1	08/26/22 10:00	08/29/22 12:09	106-46-7	
Dichlorodifluoromethane	<27.6	ug/kg	64.1	27.6	1	08/26/22 10:00	08/29/22 12:09	75-71-8	
1,1-Dichloroethane	<16.4	ug/kg	64.1	16.4	1	08/26/22 10:00	08/29/22 12:09	75-34-3	
1,2-Dichloroethane	<14.7	ug/kg	64.1	14.7	1	08/26/22 10:00	08/29/22 12:09	107-06-2	
1,1-Dichloroethene	<21.3	ug/kg	64.1	21.3	1	08/26/22 10:00	08/29/22 12:09	75-35-4	
cis-1,2-Dichloroethene	<13.7	ug/kg	64.1	13.7	1	08/26/22 10:00	08/29/22 12:09	156-59-2	
trans-1,2-Dichloroethene	<13.8	ug/kg	64.1	13.8	1	08/26/22 10:00	08/29/22 12:09	156-60-5	
1,2-Dichloropropane	<15.3	ug/kg	64.1	15.3	1	08/26/22 10:00	08/29/22 12:09	78-87-5	
1,3-Dichloropropane	<14.0	ug/kg	64.1	14.0	1	08/26/22 10:00	08/29/22 12:09	142-28-9	
2,2-Dichloropropane	<17.3	ug/kg	64.1	17.3	1	08/26/22 10:00	08/29/22 12:09	594-20-7	
1,1-Dichloropropene	<20.8	ug/kg	64.1	20.8	1	08/26/22 10:00	08/29/22 12:09	563-58-6	
cis-1,3-Dichloropropene	<42.3	ug/kg	320	42.3	1	08/26/22 10:00	08/29/22 12:09	10061-01-5	
trans-1,3-Dichloropropene	<183	ug/kg	320	183	1	08/26/22 10:00	08/29/22 12:09	10061-02-6	
Diisopropyl ether	<15.9	ug/kg	64.1	15.9	1	08/26/22 10:00	08/29/22 12:09	108-20-3	
Ethylbenzene	<15.3	ug/kg	64.1	15.3	1	08/26/22 10:00	08/29/22 12:09	100-41-4	
Hexachloro-1,3-butadiene	<127	ug/kg	320	127	1	08/26/22 10:00	08/29/22 12:09	87-68-3	
Isopropylbenzene (Cumene)	<17.3	ug/kg	64.1	17.3	1	08/26/22 10:00	08/29/22 12:09	98-82-8	
p-Isopropyltoluene	<19.5	ug/kg	64.1	19.5	1	08/26/22 10:00	08/29/22 12:09	99-87-6	
Methylene Chloride	<17.8	ug/kg	64.1	17.8	1	08/26/22 10:00	08/29/22 12:09	75-09-2	
Methyl-tert-butyl ether	<18.8	ug/kg	64.1	18.8	1	08/26/22 10:00	08/29/22 12:09	1634-04-4	
Naphthalene	<20.0	ug/kg	320	20.0	1	08/26/22 10:00	08/29/22 12:09	91-20-3	
n-Propylbenzene	<15.4	ug/kg	64.1	15.4	1	08/26/22 10:00	08/29/22 12:09	103-65-1	
Styrene	<16.4	ug/kg	64.1	16.4	1	08/26/22 10:00	08/29/22 12:09	100-42-5	
1,1,1,2-Tetrachloroethane	<15.4	ug/kg	64.1	15.4	1	08/26/22 10:00	08/29/22 12:09	630-20-6	
1,1,1,2,2-Tetrachloroethane	<23.2	ug/kg	64.1	23.2	1	08/26/22 10:00	08/29/22 12:09	79-34-5	
Tetrachloroethene	<24.9	ug/kg	64.1	24.9	1	08/26/22 10:00	08/29/22 12:09	127-18-4	
Toluene	<16.2	ug/kg	64.1	16.2	1	08/26/22 10:00	08/29/22 12:09	108-88-3	
1,2,3-Trichlorobenzene	<71.4	ug/kg	320	71.4	1	08/26/22 10:00	08/29/22 12:09	87-61-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-11 (2'-3')**      **Lab ID: 40250229023**      Collected: 08/19/22 09:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<52.8	ug/kg	320	52.8	1	08/26/22 10:00	08/29/22 12:09	120-82-1	
1,1,1-Trichloroethane	<16.4	ug/kg	64.1	16.4	1	08/26/22 10:00	08/29/22 12:09	71-55-6	
1,1,2-Trichloroethane	<23.3	ug/kg	64.1	23.3	1	08/26/22 10:00	08/29/22 12:09	79-00-5	
Trichloroethene	<24.0	ug/kg	64.1	24.0	1	08/26/22 10:00	08/29/22 12:09	79-01-6	
Trichlorofluoromethane	<18.6	ug/kg	64.1	18.6	1	08/26/22 10:00	08/29/22 12:09	75-69-4	
1,2,3-Trichloropropane	<31.1	ug/kg	64.1	31.1	1	08/26/22 10:00	08/29/22 12:09	96-18-4	
1,2,4-Trimethylbenzene	<19.1	ug/kg	64.1	19.1	1	08/26/22 10:00	08/29/22 12:09	95-63-6	
1,3,5-Trimethylbenzene	<20.6	ug/kg	64.1	20.6	1	08/26/22 10:00	08/29/22 12:09	108-67-8	
Vinyl chloride	<12.9	ug/kg	64.1	12.9	1	08/26/22 10:00	08/29/22 12:09	75-01-4	
Xylene (Total)	<46.3	ug/kg	192	46.3	1	08/26/22 10:00	08/29/22 12:09	1330-20-7	
m&p-Xylene	<27.0	ug/kg	128	27.0	1	08/26/22 10:00	08/29/22 12:09	179601-23-1	
o-Xylene	<19.2	ug/kg	64.1	19.2	1	08/26/22 10:00	08/29/22 12:09	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	125	%	69-153		1	08/26/22 10:00	08/29/22 12:09	2037-26-5	
4-Bromofluorobenzene (S)	156	%	68-156		1	08/26/22 10:00	08/29/22 12:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	146	%	71-161		1	08/26/22 10:00	08/29/22 12:09	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.4	%	0.10	0.10	1		08/25/22 12:35		

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-12 (1'-2')**      **Lab ID: 40250229024**      Collected: 08/19/22 09:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	6.4	mg/kg	5.3	3.1	2	08/25/22 06:01	08/30/22 17:35	7440-38-2	
Barium	74.8	mg/kg	1.1	0.32	2	08/25/22 06:01	08/30/22 17:35	7440-39-3	
Cadmium	1.6	mg/kg	1.1	0.28	2	08/25/22 06:01	08/30/22 17:35	7440-43-9	
Chromium	21.9	mg/kg	2.1	0.59	2	08/25/22 06:01	08/30/22 17:35	7440-47-3	
Lead	236	mg/kg	4.3	1.3	2	08/25/22 06:01	08/30/22 17:35	7439-92-1	
Selenium	<2.8	mg/kg	8.5	2.8	2	08/25/22 06:01	08/30/22 17:35	7782-49-2	D3
Silver	<0.66	mg/kg	2.1	0.66	2	08/25/22 06:01	08/30/22 17:35	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.13	mg/kg	0.036	0.010	1	08/25/22 09:14	08/26/22 08:47	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	82.0J	ug/kg	358	46.5	20	08/29/22 06:43	08/29/22 21:30	83-32-9	
Acenaphthylene	<45.1	ug/kg	358	45.1	20	08/29/22 06:43	08/29/22 21:30	208-96-8	
Anthracene	264J	ug/kg	358	44.4	20	08/29/22 06:43	08/29/22 21:30	120-12-7	
Benzo(a)anthracene	634	ug/kg	358	46.3	20	08/29/22 06:43	08/29/22 21:30	56-55-3	
Benzo(a)pyrene	881	ug/kg	358	40.7	20	08/29/22 06:43	08/29/22 21:30	50-32-8	
Benzo(b)fluoranthene	1150	ug/kg	358	49.7	20	08/29/22 06:43	08/29/22 21:30	205-99-2	
Benzo(g,h,i)perylene	537	ug/kg	358	62.8	20	08/29/22 06:43	08/29/22 21:30	191-24-2	
Benzo(k)fluoranthene	516	ug/kg	358	45.8	20	08/29/22 06:43	08/29/22 21:30	207-08-9	
Chrysene	1090	ug/kg	358	67.5	20	08/29/22 06:43	08/29/22 21:30	218-01-9	
Dibenz(a,h)anthracene	147J	ug/kg	358	49.6	20	08/29/22 06:43	08/29/22 21:30	53-70-3	
Fluoranthene	1950	ug/kg	358	42.4	20	08/29/22 06:43	08/29/22 21:30	206-44-0	
Fluorene	75.8J	ug/kg	358	42.9	20	08/29/22 06:43	08/29/22 21:30	86-73-7	
Indeno(1,2,3-cd)pyrene	441	ug/kg	358	74.6	20	08/29/22 06:43	08/29/22 21:30	193-39-5	
1-Methylnaphthalene	83.5J	ug/kg	358	52.3	20	08/29/22 06:43	08/29/22 21:30	90-12-0	
2-Methylnaphthalene	98.5J	ug/kg	358	52.4	20	08/29/22 06:43	08/29/22 21:30	91-57-6	
Naphthalene	97.5J	ug/kg	358	34.9	20	08/29/22 06:43	08/29/22 21:30	91-20-3	
Phenanthrene	1130	ug/kg	358	41.0	20	08/29/22 06:43	08/29/22 21:30	85-01-8	
Pyrene	1660	ug/kg	358	52.6	20	08/29/22 06:43	08/29/22 21:30	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	62	%	41-98		20	08/29/22 06:43	08/29/22 21:30	321-60-8	
Terphenyl-d14 (S)	72	%	37-106		20	08/29/22 06:43	08/29/22 21:30	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.7	%	0.10	0.10	1		08/25/22 12:35		

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-12 (3'-4')**      **Lab ID: 40250229025**      Collected: 08/19/22 09:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<3.1	mg/kg	5.3	3.1	2	08/25/22 06:01	08/30/22 17:38	7440-38-2	D3
Barium	19.7	mg/kg	1.1	0.32	2	08/25/22 06:01	08/30/22 17:38	7440-39-3	
Cadmium	<0.28	mg/kg	1.1	0.28	2	08/25/22 06:01	08/30/22 17:38	7440-43-9	D3
Chromium	7.4	mg/kg	2.1	0.59	2	08/25/22 06:01	08/30/22 17:38	7440-47-3	
Lead	14.0	mg/kg	4.3	1.3	2	08/25/22 06:01	08/30/22 17:38	7439-92-1	
Selenium	<2.8	mg/kg	8.5	2.8	2	08/25/22 06:01	08/30/22 17:38	7782-49-2	D3
Silver	<0.65	mg/kg	2.1	0.65	2	08/25/22 06:01	08/30/22 17:38	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.023J	mg/kg	0.038	0.011	1	08/25/22 09:14	08/26/22 08:49	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.4	ug/kg	18.5	2.4	1	08/29/22 06:43	08/29/22 18:37	83-32-9	
Acenaphthylene	2.6J	ug/kg	18.5	2.3	1	08/29/22 06:43	08/29/22 18:37	208-96-8	
Anthracene	2.4J	ug/kg	18.5	2.3	1	08/29/22 06:43	08/29/22 18:37	120-12-7	
Benzo(a)anthracene	6.1J	ug/kg	18.5	2.4	1	08/29/22 06:43	08/29/22 18:37	56-55-3	
Benzo(a)pyrene	8.9J	ug/kg	18.5	2.1	1	08/29/22 06:43	08/29/22 18:37	50-32-8	
Benzo(b)fluoranthene	12.0J	ug/kg	18.5	2.6	1	08/29/22 06:43	08/29/22 18:37	205-99-2	
Benzo(g,h,i)perylene	8.1J	ug/kg	18.5	3.3	1	08/29/22 06:43	08/29/22 18:37	191-24-2	
Benzo(k)fluoranthene	5.5J	ug/kg	18.5	2.4	1	08/29/22 06:43	08/29/22 18:37	207-08-9	
Chrysene	10.6J	ug/kg	18.5	3.5	1	08/29/22 06:43	08/29/22 18:37	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	18.5	2.6	1	08/29/22 06:43	08/29/22 18:37	53-70-3	
Fluoranthene	12.4J	ug/kg	18.5	2.2	1	08/29/22 06:43	08/29/22 18:37	206-44-0	
Fluorene	<2.2	ug/kg	18.5	2.2	1	08/29/22 06:43	08/29/22 18:37	86-73-7	
Indeno(1,2,3-cd)pyrene	4.9J	ug/kg	18.5	3.9	1	08/29/22 06:43	08/29/22 18:37	193-39-5	
1-Methylnaphthalene	3.7J	ug/kg	18.5	2.7	1	08/29/22 06:43	08/29/22 18:37	90-12-0	
2-Methylnaphthalene	4.8J	ug/kg	18.5	2.7	1	08/29/22 06:43	08/29/22 18:37	91-57-6	
Naphthalene	6.0J	ug/kg	18.5	1.8	1	08/29/22 06:43	08/29/22 18:37	91-20-3	
Phenanthrene	9.1J	ug/kg	18.5	2.1	1	08/29/22 06:43	08/29/22 18:37	85-01-8	
Pyrene	18.4J	ug/kg	18.5	2.7	1	08/29/22 06:43	08/29/22 18:37	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	41-98		1	08/29/22 06:43	08/29/22 18:37	321-60-8	
Terphenyl-d14 (S)	72	%	37-106		1	08/29/22 06:43	08/29/22 18:37	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.0	%	0.10	0.10	1		08/25/22 12:35		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-13 (1'-2')**      **Lab ID: 40250229026**      Collected: 08/19/22 10:00      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>2.4J</b>	mg/kg	2.6	1.5	1	08/25/22 06:01	08/29/22 21:44	7440-38-2	
Barium	<b>60.7</b>	mg/kg	0.52	0.16	1	08/25/22 06:01	08/29/22 21:44	7440-39-3	
Cadmium	<b>0.25J</b>	mg/kg	0.52	0.14	1	08/25/22 06:01	08/29/22 21:44	7440-43-9	
Chromium	<b>18.8</b>	mg/kg	1.0	0.29	1	08/25/22 06:01	08/29/22 21:44	7440-47-3	
Lead	<b>24.3</b>	mg/kg	2.1	0.63	1	08/25/22 06:01	08/29/22 21:44	7439-92-1	
Selenium	<b>&lt;1.4</b>	mg/kg	4.2	1.4	1	08/25/22 06:01	08/29/22 21:44	7782-49-2	
Silver	<b>0.34J</b>	mg/kg	1.0	0.32	1	08/25/22 06:01	08/29/22 21:44	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.057</b>	mg/kg	0.035	0.010	1	08/25/22 09:14	08/26/22 08:51	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>&lt;47.6</b>	ug/kg	367	47.6	20	08/29/22 06:43	08/29/22 21:47	83-32-9	
Acenaphthylene	<b>686</b>	ug/kg	367	46.3	20	08/29/22 06:43	08/29/22 21:47	208-96-8	
Anthracene	<b>1220</b>	ug/kg	367	45.5	20	08/29/22 06:43	08/29/22 21:47	120-12-7	
Benzo(a)anthracene	<b>2470</b>	ug/kg	367	47.4	20	08/29/22 06:43	08/29/22 21:47	56-55-3	
Benzo(a)pyrene	<b>2360</b>	ug/kg	367	41.7	20	08/29/22 06:43	08/29/22 21:47	50-32-8	
Benzo(b)fluoranthene	<b>2570</b>	ug/kg	367	50.9	20	08/29/22 06:43	08/29/22 21:47	205-99-2	
Benzo(g,h,i)perylene	<b>1170</b>	ug/kg	367	64.4	20	08/29/22 06:43	08/29/22 21:47	191-24-2	
Benzo(k)fluoranthene	<b>1070</b>	ug/kg	367	46.9	20	08/29/22 06:43	08/29/22 21:47	207-08-9	
Chrysene	<b>2450</b>	ug/kg	367	69.2	20	08/29/22 06:43	08/29/22 21:47	218-01-9	
Dibenz(a,h)anthracene	<b>298J</b>	ug/kg	367	50.8	20	08/29/22 06:43	08/29/22 21:47	53-70-3	
Fluoranthene	<b>6100</b>	ug/kg	367	43.4	20	08/29/22 06:43	08/29/22 21:47	206-44-0	
Fluorene	<b>244J</b>	ug/kg	367	44.0	20	08/29/22 06:43	08/29/22 21:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>974</b>	ug/kg	367	76.4	20	08/29/22 06:43	08/29/22 21:47	193-39-5	
1-Methylnaphthalene	<b>65.4J</b>	ug/kg	367	53.6	20	08/29/22 06:43	08/29/22 21:47	90-12-0	
2-Methylnaphthalene	<b>148J</b>	ug/kg	367	53.7	20	08/29/22 06:43	08/29/22 21:47	91-57-6	
Naphthalene	<b>298J</b>	ug/kg	367	35.7	20	08/29/22 06:43	08/29/22 21:47	91-20-3	
Phenanthrene	<b>2260</b>	ug/kg	367	42.0	20	08/29/22 06:43	08/29/22 21:47	85-01-8	
Pyrene	<b>5800</b>	ug/kg	367	53.9	20	08/29/22 06:43	08/29/22 21:47	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	71	%	41-98		20	08/29/22 06:43	08/29/22 21:47	321-60-8	
Terphenyl-d14 (S)	86	%	37-106		20	08/29/22 06:43	08/29/22 21:47	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>9.0</b>	%	0.10	0.10	1		08/25/22 12:35		

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-13 (3'-4')**      **Lab ID: 40250229027**      Collected: 08/19/22 10:10      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>2.1J</b>	mg/kg	2.7	1.6	1	08/25/22 06:01	08/29/22 21:47	7440-38-2	
Barium	<b>54.1</b>	mg/kg	0.53	0.16	1	08/25/22 06:01	08/29/22 21:47	7440-39-3	
Cadmium	<b>0.32J</b>	mg/kg	0.53	0.14	1	08/25/22 06:01	08/29/22 21:47	7440-43-9	
Chromium	<b>18.0</b>	mg/kg	1.1	0.30	1	08/25/22 06:01	08/29/22 21:47	7440-47-3	
Lead	<b>24.5</b>	mg/kg	2.1	0.64	1	08/25/22 06:01	08/29/22 21:47	7439-92-1	
Selenium	<b>&lt;1.4</b>	mg/kg	4.3	1.4	1	08/25/22 06:01	08/29/22 21:47	7782-49-2	
Silver	<b>0.41J</b>	mg/kg	1.1	0.33	1	08/25/22 06:01	08/29/22 21:47	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.075</b>	mg/kg	0.038	0.011	1	08/25/22 09:14	08/26/22 08:54	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>8.4J</b>	ug/kg	18.6	2.4	1	08/29/22 06:43	08/30/22 17:27	83-32-9	
Acenaphthylene	<b>25.3</b>	ug/kg	18.6	2.3	1	08/29/22 06:43	08/30/22 17:27	208-96-8	
Anthracene	<b>40.8</b>	ug/kg	18.6	2.3	1	08/29/22 06:43	08/30/22 17:27	120-12-7	
Benzo(a)anthracene	<b>224</b>	ug/kg	18.6	2.4	1	08/29/22 06:43	08/30/22 17:27	56-55-3	
Benzo(a)pyrene	<b>172</b>	ug/kg	18.6	2.1	1	08/29/22 06:43	08/30/22 17:27	50-32-8	
Benzo(b)fluoranthene	<b>488</b>	ug/kg	18.6	2.6	1	08/29/22 06:43	08/30/22 17:27	205-99-2	
Benzo(g,h,i)perylene	<b>95.7</b>	ug/kg	18.6	3.3	1	08/29/22 06:43	08/30/22 17:27	191-24-2	
Benzo(k)fluoranthene	<b>222</b>	ug/kg	18.6	2.4	1	08/29/22 06:43	08/30/22 17:27	207-08-9	
Chrysene	<b>283</b>	ug/kg	18.6	3.5	1	08/29/22 06:43	08/30/22 17:27	218-01-9	
Dibenz(a,h)anthracene	<b>21.3</b>	ug/kg	18.6	2.6	1	08/29/22 06:43	08/30/22 17:27	53-70-3	
Fluoranthene	<b>407</b>	ug/kg	18.6	2.2	1	08/29/22 06:43	08/30/22 17:27	206-44-0	
Fluorene	<b>10.9J</b>	ug/kg	18.6	2.2	1	08/29/22 06:43	08/30/22 17:27	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>90.4</b>	ug/kg	18.6	3.9	1	08/29/22 06:43	08/30/22 17:27	193-39-5	
1-Methylnaphthalene	<b>79.7</b>	ug/kg	18.6	2.7	1	08/29/22 06:43	08/30/22 17:27	90-12-0	
2-Methylnaphthalene	<b>112</b>	ug/kg	18.6	2.7	1	08/29/22 06:43	08/30/22 17:27	91-57-6	
Naphthalene	<b>76.7</b>	ug/kg	18.6	1.8	1	08/29/22 06:43	08/30/22 17:27	91-20-3	
Phenanthrene	<b>155</b>	ug/kg	18.6	2.1	1	08/29/22 06:43	08/30/22 17:27	85-01-8	
Pyrene	<b>414</b>	ug/kg	18.6	2.7	1	08/29/22 06:43	08/30/22 17:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	62	%	41-98		1	08/29/22 06:43	08/30/22 17:27	321-60-8	
Terphenyl-d14 (S)	75	%	37-106		1	08/29/22 06:43	08/30/22 17:27	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>10.3</b>	%	0.10	0.10	1		08/25/22 12:35		

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-14 (1'-2')**      **Lab ID: 40250229028**      Collected: 08/19/22 13:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.9	mg/kg	2.8	1.6	1	08/25/22 06:01	08/26/22 18:12	7440-38-2	
Barium	49.3	mg/kg	0.56	0.17	1	08/25/22 06:01	08/26/22 18:12	7440-39-3	
Cadmium	0.55J	mg/kg	0.56	0.15	1	08/25/22 06:01	08/26/22 18:12	7440-43-9	
Chromium	10.1	mg/kg	1.1	0.31	1	08/25/22 06:01	08/26/22 18:12	7440-47-3	
Lead	113	mg/kg	2.2	0.67	1	08/25/22 06:01	08/26/22 18:12	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	08/25/22 06:01	08/26/22 18:12	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	08/25/22 06:01	08/26/22 18:12	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.084	mg/kg	0.039	0.011	1	08/25/22 09:14	08/26/22 08:56	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	48.7	ug/kg	39.6	5.1	2	08/31/22 08:04	08/31/22 18:56	83-32-9	
Acenaphthylene	35.1J	ug/kg	39.6	5.0	2	08/31/22 08:04	08/31/22 18:56	208-96-8	
Anthracene	128	ug/kg	39.6	4.9	2	08/31/22 08:04	08/31/22 18:56	120-12-7	
Benzo(a)anthracene	267	ug/kg	39.6	5.1	2	08/31/22 08:04	08/31/22 18:56	56-55-3	
Benzo(a)pyrene	246	ug/kg	39.6	4.5	2	08/31/22 08:04	08/31/22 18:56	50-32-8	
Benzo(b)fluoranthene	347	ug/kg	39.6	5.5	2	08/31/22 08:04	08/31/22 18:56	205-99-2	
Benzo(g,h,i)perylene	167	ug/kg	39.6	6.9	2	08/31/22 08:04	08/31/22 18:56	191-24-2	
Benzo(k)fluoranthene	107	ug/kg	39.6	5.1	2	08/31/22 08:04	08/31/22 18:56	207-08-9	
Chrysene	284	ug/kg	39.6	7.5	2	08/31/22 08:04	08/31/22 18:56	218-01-9	
Dibenz(a,h)anthracene	52.0	ug/kg	39.6	5.5	2	08/31/22 08:04	08/31/22 18:56	53-70-3	
Fluoranthene	575	ug/kg	39.6	4.7	2	08/31/22 08:04	08/31/22 18:56	206-44-0	
Fluorene	59.0	ug/kg	39.6	4.7	2	08/31/22 08:04	08/31/22 18:56	86-73-7	
Indeno(1,2,3-cd)pyrene	131	ug/kg	39.6	8.2	2	08/31/22 08:04	08/31/22 18:56	193-39-5	
1-Methylnaphthalene	149	ug/kg	39.6	5.8	2	08/31/22 08:04	08/31/22 18:56	90-12-0	
2-Methylnaphthalene	188	ug/kg	39.6	5.8	2	08/31/22 08:04	08/31/22 18:56	91-57-6	
Naphthalene	156	ug/kg	39.6	3.9	2	08/31/22 08:04	08/31/22 18:56	91-20-3	
Phenanthrene	520	ug/kg	39.6	4.5	2	08/31/22 08:04	08/31/22 18:56	85-01-8	
Pyrene	439	ug/kg	39.6	5.8	2	08/31/22 08:04	08/31/22 18:56	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	41-98		2	08/31/22 08:04	08/31/22 18:56	321-60-8	
Terphenyl-d14 (S)	59	%	37-106		2	08/31/22 08:04	08/31/22 18:56	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<16.3	ug/kg	27.3	16.3	1	08/26/22 10:00	08/29/22 12:29	71-43-2	
Bromobenzene	<26.6	ug/kg	68.3	26.6	1	08/26/22 10:00	08/29/22 12:29	108-86-1	
Bromochloromethane	<18.7	ug/kg	68.3	18.7	1	08/26/22 10:00	08/29/22 12:29	74-97-5	
Bromodichloromethane	<16.3	ug/kg	68.3	16.3	1	08/26/22 10:00	08/29/22 12:29	75-27-4	
Bromoform	<301	ug/kg	342	301	1	08/26/22 10:00	08/29/22 12:29	75-25-2	
Bromomethane	<95.8	ug/kg	342	95.8	1	08/26/22 10:00	08/29/22 12:29	74-83-9	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-14 (1'-2')**      **Lab ID: 40250229028**      Collected: 08/19/22 13:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<31.3	ug/kg	68.3	31.3	1	08/26/22 10:00	08/29/22 12:29	104-51-8	
sec-Butylbenzene	<16.7	ug/kg	68.3	16.7	1	08/26/22 10:00	08/29/22 12:29	135-98-8	
tert-Butylbenzene	<21.5	ug/kg	68.3	21.5	1	08/26/22 10:00	08/29/22 12:29	98-06-6	
Carbon tetrachloride	<15.0	ug/kg	68.3	15.0	1	08/26/22 10:00	08/29/22 12:29	56-23-5	
Chlorobenzene	<8.2	ug/kg	68.3	8.2	1	08/26/22 10:00	08/29/22 12:29	108-90-7	
Chloroethane	<28.8	ug/kg	342	28.8	1	08/26/22 10:00	08/29/22 12:29	75-00-3	
Chloroform	<48.9	ug/kg	342	48.9	1	08/26/22 10:00	08/29/22 12:29	67-66-3	
Chloromethane	<26.0	ug/kg	68.3	26.0	1	08/26/22 10:00	08/29/22 12:29	74-87-3	
2-Chlorotoluene	<22.1	ug/kg	68.3	22.1	1	08/26/22 10:00	08/29/22 12:29	95-49-8	
4-Chlorotoluene	<26.0	ug/kg	68.3	26.0	1	08/26/22 10:00	08/29/22 12:29	106-43-4	
1,2-Dibromo-3-chloropropane	<53.0	ug/kg	342	53.0	1	08/26/22 10:00	08/29/22 12:29	96-12-8	
Dibromochloromethane	<234	ug/kg	342	234	1	08/26/22 10:00	08/29/22 12:29	124-48-1	
1,2-Dibromoethane (EDB)	<18.7	ug/kg	68.3	18.7	1	08/26/22 10:00	08/29/22 12:29	106-93-4	
Dibromomethane	<20.2	ug/kg	68.3	20.2	1	08/26/22 10:00	08/29/22 12:29	74-95-3	
1,2-Dichlorobenzene	<21.2	ug/kg	68.3	21.2	1	08/26/22 10:00	08/29/22 12:29	95-50-1	
1,3-Dichlorobenzene	<18.7	ug/kg	68.3	18.7	1	08/26/22 10:00	08/29/22 12:29	541-73-1	
1,4-Dichlorobenzene	<18.7	ug/kg	68.3	18.7	1	08/26/22 10:00	08/29/22 12:29	106-46-7	
Dichlorodifluoromethane	<29.4	ug/kg	68.3	29.4	1	08/26/22 10:00	08/29/22 12:29	75-71-8	
1,1-Dichloroethane	<17.5	ug/kg	68.3	17.5	1	08/26/22 10:00	08/29/22 12:29	75-34-3	
1,2-Dichloroethane	<15.7	ug/kg	68.3	15.7	1	08/26/22 10:00	08/29/22 12:29	107-06-2	
1,1-Dichloroethene	<22.7	ug/kg	68.3	22.7	1	08/26/22 10:00	08/29/22 12:29	75-35-4	
cis-1,2-Dichloroethene	<14.6	ug/kg	68.3	14.6	1	08/26/22 10:00	08/29/22 12:29	156-59-2	
trans-1,2-Dichloroethene	<14.8	ug/kg	68.3	14.8	1	08/26/22 10:00	08/29/22 12:29	156-60-5	
1,2-Dichloropropane	<16.3	ug/kg	68.3	16.3	1	08/26/22 10:00	08/29/22 12:29	78-87-5	
1,3-Dichloropropane	<14.9	ug/kg	68.3	14.9	1	08/26/22 10:00	08/29/22 12:29	142-28-9	
2,2-Dichloropropane	<18.4	ug/kg	68.3	18.4	1	08/26/22 10:00	08/29/22 12:29	594-20-7	
1,1-Dichloropropene	<22.1	ug/kg	68.3	22.1	1	08/26/22 10:00	08/29/22 12:29	563-58-6	
cis-1,3-Dichloropropene	<45.1	ug/kg	342	45.1	1	08/26/22 10:00	08/29/22 12:29	10061-01-5	
trans-1,3-Dichloropropene	<195	ug/kg	342	195	1	08/26/22 10:00	08/29/22 12:29	10061-02-6	
Diisopropyl ether	<16.9	ug/kg	68.3	16.9	1	08/26/22 10:00	08/29/22 12:29	108-20-3	
Ethylbenzene	<16.3	ug/kg	68.3	16.3	1	08/26/22 10:00	08/29/22 12:29	100-41-4	
Hexachloro-1,3-butadiene	<136	ug/kg	342	136	1	08/26/22 10:00	08/29/22 12:29	87-68-3	
Isopropylbenzene (Cumene)	<18.4	ug/kg	68.3	18.4	1	08/26/22 10:00	08/29/22 12:29	98-82-8	
p-Isopropyltoluene	<20.8	ug/kg	68.3	20.8	1	08/26/22 10:00	08/29/22 12:29	99-87-6	
Methylene Chloride	<19.0	ug/kg	68.3	19.0	1	08/26/22 10:00	08/29/22 12:29	75-09-2	
Methyl-tert-butyl ether	<20.1	ug/kg	68.3	20.1	1	08/26/22 10:00	08/29/22 12:29	1634-04-4	
Naphthalene	<21.3	ug/kg	342	21.3	1	08/26/22 10:00	08/29/22 12:29	91-20-3	
n-Propylbenzene	<16.4	ug/kg	68.3	16.4	1	08/26/22 10:00	08/29/22 12:29	103-65-1	
Styrene	<17.5	ug/kg	68.3	17.5	1	08/26/22 10:00	08/29/22 12:29	100-42-5	
1,1,1,2-Tetrachloroethane	<16.4	ug/kg	68.3	16.4	1	08/26/22 10:00	08/29/22 12:29	630-20-6	
1,1,1,2,2-Tetrachloroethane	<24.7	ug/kg	68.3	24.7	1	08/26/22 10:00	08/29/22 12:29	79-34-5	
Tetrachloroethene	<26.5	ug/kg	68.3	26.5	1	08/26/22 10:00	08/29/22 12:29	127-18-4	
Toluene	<17.2	ug/kg	68.3	17.2	1	08/26/22 10:00	08/29/22 12:29	108-88-3	
1,2,3-Trichlorobenzene	<76.1	ug/kg	342	76.1	1	08/26/22 10:00	08/29/22 12:29	87-61-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-14 (1'-2')**      **Lab ID: 40250229028**      Collected: 08/19/22 13:20      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<56.3	ug/kg	342	56.3	1	08/26/22 10:00	08/29/22 12:29	120-82-1	
1,1,1-Trichloroethane	<17.5	ug/kg	68.3	17.5	1	08/26/22 10:00	08/29/22 12:29	71-55-6	
1,1,2-Trichloroethane	<24.9	ug/kg	68.3	24.9	1	08/26/22 10:00	08/29/22 12:29	79-00-5	
Trichloroethene	<25.6	ug/kg	68.3	25.6	1	08/26/22 10:00	08/29/22 12:29	79-01-6	
Trichlorofluoromethane	<19.8	ug/kg	68.3	19.8	1	08/26/22 10:00	08/29/22 12:29	75-69-4	
1,2,3-Trichloropropane	<33.2	ug/kg	68.3	33.2	1	08/26/22 10:00	08/29/22 12:29	96-18-4	
1,2,4-Trimethylbenzene	<20.4	ug/kg	68.3	20.4	1	08/26/22 10:00	08/29/22 12:29	95-63-6	
1,3,5-Trimethylbenzene	<22.0	ug/kg	68.3	22.0	1	08/26/22 10:00	08/29/22 12:29	108-67-8	
Vinyl chloride	<13.8	ug/kg	68.3	13.8	1	08/26/22 10:00	08/29/22 12:29	75-01-4	
Xylene (Total)	<49.3	ug/kg	205	49.3	1	08/26/22 10:00	08/29/22 12:29	1330-20-7	
m&p-Xylene	<28.8	ug/kg	137	28.8	1	08/26/22 10:00	08/29/22 12:29	179601-23-1	
o-Xylene	<20.5	ug/kg	68.3	20.5	1	08/26/22 10:00	08/29/22 12:29	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	120	%	69-153		1	08/26/22 10:00	08/29/22 12:29	2037-26-5	
4-Bromofluorobenzene (S)	155	%	68-156		1	08/26/22 10:00	08/29/22 12:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	146	%	71-161		1	08/26/22 10:00	08/29/22 12:29	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	15.5	%	0.10	0.10	1		08/25/22 12:35		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-14 (3'-4')**      **Lab ID: 40250229029**      Collected: 08/19/22 13:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<b>1.5J</b>	mg/kg	2.5	1.5	1	08/25/22 06:01	08/26/22 18:14	7440-38-2	
Barium	<b>50.1</b>	mg/kg	0.50	0.15	1	08/25/22 06:01	08/26/22 18:14	7440-39-3	
Cadmium	<b>0.18J</b>	mg/kg	0.50	0.13	1	08/25/22 06:01	08/26/22 18:14	7440-43-9	
Chromium	<b>10.4</b>	mg/kg	1.0	0.28	1	08/25/22 06:01	08/26/22 18:14	7440-47-3	
Lead	<b>31.0</b>	mg/kg	2.0	0.60	1	08/25/22 06:01	08/26/22 18:14	7439-92-1	
Selenium	<b>&lt;1.3</b>	mg/kg	4.0	1.3	1	08/25/22 06:01	08/26/22 18:14	7782-49-2	
Silver	<b>&lt;0.31</b>	mg/kg	1.0	0.31	1	08/25/22 06:01	08/26/22 18:14	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.052</b>	mg/kg	0.038	0.011	1	08/25/22 09:14	08/26/22 09:03	7439-97-6	B
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>24.9</b>	ug/kg	18.4	2.4	1	08/29/22 06:43	08/30/22 17:44	83-32-9	
Acenaphthylene	<b>28.2</b>	ug/kg	18.4	2.3	1	08/29/22 06:43	08/30/22 17:44	208-96-8	
Anthracene	<b>56.0</b>	ug/kg	18.4	2.3	1	08/29/22 06:43	08/30/22 17:44	120-12-7	
Benzo(a)anthracene	<b>208</b>	ug/kg	18.4	2.4	1	08/29/22 06:43	08/30/22 17:44	56-55-3	
Benzo(a)pyrene	<b>229</b>	ug/kg	18.4	2.1	1	08/29/22 06:43	08/30/22 17:44	50-32-8	
Benzo(b)fluoranthene	<b>340</b>	ug/kg	18.4	2.5	1	08/29/22 06:43	08/30/22 17:44	205-99-2	
Benzo(g,h,i)perylene	<b>98.0</b>	ug/kg	18.4	3.2	1	08/29/22 06:43	08/30/22 17:44	191-24-2	
Benzo(k)fluoranthene	<b>133</b>	ug/kg	18.4	2.3	1	08/29/22 06:43	08/30/22 17:44	207-08-9	
Chrysene	<b>221</b>	ug/kg	18.4	3.5	1	08/29/22 06:43	08/30/22 17:44	218-01-9	
Dibenz(a,h)anthracene	<b>23.5</b>	ug/kg	18.4	2.5	1	08/29/22 06:43	08/30/22 17:44	53-70-3	
Fluoranthene	<b>384</b>	ug/kg	18.4	2.2	1	08/29/22 06:43	08/30/22 17:44	206-44-0	
Fluorene	<b>21.3</b>	ug/kg	18.4	2.2	1	08/29/22 06:43	08/30/22 17:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>82.0</b>	ug/kg	18.4	3.8	1	08/29/22 06:43	08/30/22 17:44	193-39-5	
1-Methylnaphthalene	<b>73.8</b>	ug/kg	18.4	2.7	1	08/29/22 06:43	08/30/22 17:44	90-12-0	
2-Methylnaphthalene	<b>98.2</b>	ug/kg	18.4	2.7	1	08/29/22 06:43	08/30/22 17:44	91-57-6	
Naphthalene	<b>84.5</b>	ug/kg	18.4	1.8	1	08/29/22 06:43	08/30/22 17:44	91-20-3	
Phenanthrene	<b>199</b>	ug/kg	18.4	2.1	1	08/29/22 06:43	08/30/22 17:44	85-01-8	
Pyrene	<b>369</b>	ug/kg	18.4	2.7	1	08/29/22 06:43	08/30/22 17:44	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	65	%	41-98		1	08/29/22 06:43	08/30/22 17:44	321-60-8	
Terphenyl-d14 (S)	76	%	37-106		1	08/29/22 06:43	08/30/22 17:44	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;14.6</b>	ug/kg	24.5	14.6	1	08/26/22 10:00	08/29/22 12:49	71-43-2	
Bromobenzene	<b>&lt;23.9</b>	ug/kg	61.2	23.9	1	08/26/22 10:00	08/29/22 12:49	108-86-1	
Bromochloromethane	<b>&lt;16.8</b>	ug/kg	61.2	16.8	1	08/26/22 10:00	08/29/22 12:49	74-97-5	
Bromodichloromethane	<b>&lt;14.6</b>	ug/kg	61.2	14.6	1	08/26/22 10:00	08/29/22 12:49	75-27-4	
Bromoform	<b>&lt;269</b>	ug/kg	306	269	1	08/26/22 10:00	08/29/22 12:49	75-25-2	
Bromomethane	<b>&lt;85.8</b>	ug/kg	306	85.8	1	08/26/22 10:00	08/29/22 12:49	74-83-9	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Sample: PB-14 (3'-4') Lab ID: 40250229029 Collected: 08/19/22 13:30 Received: 08/23/22 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	<28.0	ug/kg	61.2	28.0	1	08/26/22 10:00	08/29/22 12:49	104-51-8	
sec-Butylbenzene	<14.9	ug/kg	61.2	14.9	1	08/26/22 10:00	08/29/22 12:49	135-98-8	
tert-Butylbenzene	<19.2	ug/kg	61.2	19.2	1	08/26/22 10:00	08/29/22 12:49	98-06-6	
Carbon tetrachloride	<13.5	ug/kg	61.2	13.5	1	08/26/22 10:00	08/29/22 12:49	56-23-5	
Chlorobenzene	<7.3	ug/kg	61.2	7.3	1	08/26/22 10:00	08/29/22 12:49	108-90-7	
Chloroethane	<25.8	ug/kg	306	25.8	1	08/26/22 10:00	08/29/22 12:49	75-00-3	
Chloroform	<43.8	ug/kg	306	43.8	1	08/26/22 10:00	08/29/22 12:49	67-66-3	
Chloromethane	<23.3	ug/kg	61.2	23.3	1	08/26/22 10:00	08/29/22 12:49	74-87-3	
2-Chlorotoluene	<19.8	ug/kg	61.2	19.8	1	08/26/22 10:00	08/29/22 12:49	95-49-8	
4-Chlorotoluene	<23.3	ug/kg	61.2	23.3	1	08/26/22 10:00	08/29/22 12:49	106-43-4	
1,2-Dibromo-3-chloropropane	<47.5	ug/kg	306	47.5	1	08/26/22 10:00	08/29/22 12:49	96-12-8	
Dibromochloromethane	<209	ug/kg	306	209	1	08/26/22 10:00	08/29/22 12:49	124-48-1	
1,2-Dibromoethane (EDB)	<16.8	ug/kg	61.2	16.8	1	08/26/22 10:00	08/29/22 12:49	106-93-4	
Dibromomethane	<18.1	ug/kg	61.2	18.1	1	08/26/22 10:00	08/29/22 12:49	74-95-3	
1,2-Dichlorobenzene	<19.0	ug/kg	61.2	19.0	1	08/26/22 10:00	08/29/22 12:49	95-50-1	
1,3-Dichlorobenzene	<16.8	ug/kg	61.2	16.8	1	08/26/22 10:00	08/29/22 12:49	541-73-1	
1,4-Dichlorobenzene	<16.8	ug/kg	61.2	16.8	1	08/26/22 10:00	08/29/22 12:49	106-46-7	
Dichlorodifluoromethane	<26.3	ug/kg	61.2	26.3	1	08/26/22 10:00	08/29/22 12:49	75-71-8	
1,1-Dichloroethane	<15.7	ug/kg	61.2	15.7	1	08/26/22 10:00	08/29/22 12:49	75-34-3	
1,2-Dichloroethane	<14.1	ug/kg	61.2	14.1	1	08/26/22 10:00	08/29/22 12:49	107-06-2	
1,1-Dichloroethene	<20.3	ug/kg	61.2	20.3	1	08/26/22 10:00	08/29/22 12:49	75-35-4	
cis-1,2-Dichloroethene	<13.1	ug/kg	61.2	13.1	1	08/26/22 10:00	08/29/22 12:49	156-59-2	
trans-1,2-Dichloroethene	<13.2	ug/kg	61.2	13.2	1	08/26/22 10:00	08/29/22 12:49	156-60-5	
1,2-Dichloropropane	<14.6	ug/kg	61.2	14.6	1	08/26/22 10:00	08/29/22 12:49	78-87-5	
1,3-Dichloropropane	<13.3	ug/kg	61.2	13.3	1	08/26/22 10:00	08/29/22 12:49	142-28-9	
2,2-Dichloropropane	<16.5	ug/kg	61.2	16.5	1	08/26/22 10:00	08/29/22 12:49	594-20-7	
1,1-Dichloropropene	<19.8	ug/kg	61.2	19.8	1	08/26/22 10:00	08/29/22 12:49	563-58-6	
cis-1,3-Dichloropropene	<40.4	ug/kg	306	40.4	1	08/26/22 10:00	08/29/22 12:49	10061-01-5	
trans-1,3-Dichloropropene	<175	ug/kg	306	175	1	08/26/22 10:00	08/29/22 12:49	10061-02-6	
Diisopropyl ether	<15.2	ug/kg	61.2	15.2	1	08/26/22 10:00	08/29/22 12:49	108-20-3	
Ethylbenzene	<14.6	ug/kg	61.2	14.6	1	08/26/22 10:00	08/29/22 12:49	100-41-4	
Hexachloro-1,3-butadiene	<122	ug/kg	306	122	1	08/26/22 10:00	08/29/22 12:49	87-68-3	
Isopropylbenzene (Cumene)	<16.5	ug/kg	61.2	16.5	1	08/26/22 10:00	08/29/22 12:49	98-82-8	
p-Isopropyltoluene	<18.6	ug/kg	61.2	18.6	1	08/26/22 10:00	08/29/22 12:49	99-87-6	
Methylene Chloride	<17.0	ug/kg	61.2	17.0	1	08/26/22 10:00	08/29/22 12:49	75-09-2	
Methyl-tert-butyl ether	<18.0	ug/kg	61.2	18.0	1	08/26/22 10:00	08/29/22 12:49	1634-04-4	
Naphthalene	69.7J	ug/kg	306	19.1	1	08/26/22 10:00	08/29/22 12:49	91-20-3	
n-Propylbenzene	<14.7	ug/kg	61.2	14.7	1	08/26/22 10:00	08/29/22 12:49	103-65-1	
Styrene	<15.7	ug/kg	61.2	15.7	1	08/26/22 10:00	08/29/22 12:49	100-42-5	
1,1,1,2-Tetrachloroethane	<14.7	ug/kg	61.2	14.7	1	08/26/22 10:00	08/29/22 12:49	630-20-6	
1,1,1,2,2-Tetrachloroethane	<22.2	ug/kg	61.2	22.2	1	08/26/22 10:00	08/29/22 12:49	79-34-5	
Tetrachloroethene	<23.8	ug/kg	61.2	23.8	1	08/26/22 10:00	08/29/22 12:49	127-18-4	
Toluene	<15.4	ug/kg	61.2	15.4	1	08/26/22 10:00	08/29/22 12:49	108-88-3	
1,2,3-Trichlorobenzene	<68.2	ug/kg	306	68.2	1	08/26/22 10:00	08/29/22 12:49	87-61-6	

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-14 (3'-4')**      **Lab ID: 40250229029**      Collected: 08/19/22 13:30      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<50.4	ug/kg	306	50.4	1	08/26/22 10:00	08/29/22 12:49	120-82-1	
1,1,1-Trichloroethane	<15.7	ug/kg	61.2	15.7	1	08/26/22 10:00	08/29/22 12:49	71-55-6	
1,1,2-Trichloroethane	<22.3	ug/kg	61.2	22.3	1	08/26/22 10:00	08/29/22 12:49	79-00-5	
Trichloroethene	<22.9	ug/kg	61.2	22.9	1	08/26/22 10:00	08/29/22 12:49	79-01-6	
Trichlorofluoromethane	<17.8	ug/kg	61.2	17.8	1	08/26/22 10:00	08/29/22 12:49	75-69-4	
1,2,3-Trichloropropane	<29.8	ug/kg	61.2	29.8	1	08/26/22 10:00	08/29/22 12:49	96-18-4	
1,2,4-Trimethylbenzene	25.3J	ug/kg	61.2	18.2	1	08/26/22 10:00	08/29/22 12:49	95-63-6	
1,3,5-Trimethylbenzene	<19.7	ug/kg	61.2	19.7	1	08/26/22 10:00	08/29/22 12:49	108-67-8	
Vinyl chloride	<12.4	ug/kg	61.2	12.4	1	08/26/22 10:00	08/29/22 12:49	75-01-4	
Xylene (Total)	<44.2	ug/kg	184	44.2	1	08/26/22 10:00	08/29/22 12:49	1330-20-7	
m&p-Xylene	41.7J	ug/kg	122	25.8	1	08/26/22 10:00	08/29/22 12:49	179601-23-1	
o-Xylene	<18.4	ug/kg	61.2	18.4	1	08/26/22 10:00	08/29/22 12:49	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	126	%	69-153		1	08/26/22 10:00	08/29/22 12:49	2037-26-5	
4-Bromofluorobenzene (S)	146	%	68-156		1	08/26/22 10:00	08/29/22 12:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	137	%	71-161		1	08/26/22 10:00	08/29/22 12:49	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.2	%	0.10	0.10	1		08/25/22 12:35		

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-15 (1'-2')**      **Lab ID: 40250229030**      Collected: 08/19/22 13:40      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	11096-82-5	
PCB, Total	<18.0	ug/kg	59.0	18.0	1	08/24/22 07:03	08/25/22 13:04	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	56	%	50-99		1	08/24/22 07:03	08/25/22 13:04	877-09-8	
Decachlorobiphenyl (S)	61	%	38-95		1	08/24/22 07:03	08/25/22 13:04	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.8	mg/kg	2.7	1.6	1	08/25/22 06:01	08/26/22 18:17	7440-38-2	
Barium	80.4	mg/kg	0.54	0.16	1	08/25/22 06:01	08/26/22 18:17	7440-39-3	
Cadmium	<0.14	mg/kg	0.54	0.14	1	08/25/22 06:01	08/26/22 18:17	7440-43-9	
Chromium	9.6	mg/kg	1.1	0.30	1	08/25/22 06:01	08/26/22 18:17	7440-47-3	
Lead	84.7	mg/kg	2.2	0.65	1	08/25/22 06:01	08/26/22 18:17	7439-92-1	
Selenium	2.4J	mg/kg	4.3	1.4	1	08/25/22 06:01	08/26/22 18:17	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	08/25/22 06:01	08/26/22 18:17	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.050	mg/kg	0.040	0.011	1	08/25/22 09:14	08/26/22 09:05	7439-97-6	B
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	15.4	%	0.10	0.10	1		08/25/22 12:35		

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### ANALYTICAL RESULTS

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

**Sample: PB-15 (4'-5')**      **Lab ID: 40250229031**      Collected: 08/19/22 13:50      Received: 08/23/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	11141-16-5	
PCB-1242 (Aroclor 1242)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	12672-29-6	
PCB-1254 (Aroclor 1254)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	11096-82-5	
PCB, Total	<18.6	ug/kg	61.2	18.6	1	08/24/22 07:03	08/25/22 13:26	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	62	%	50-99		1	08/24/22 07:03	08/25/22 13:26	877-09-8	
Decachlorobiphenyl (S)	66	%	38-95		1	08/24/22 07:03	08/25/22 13:26	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D    Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.7	mg/kg	3.0	1.7	1	08/25/22 06:01	08/26/22 18:19	7440-38-2	
Barium	32.9	mg/kg	0.59	0.18	1	08/25/22 06:01	08/26/22 18:19	7440-39-3	
Cadmium	<0.16	mg/kg	0.59	0.16	1	08/25/22 06:01	08/26/22 18:19	7440-43-9	
Chromium	11.4	mg/kg	1.2	0.33	1	08/25/22 06:01	08/26/22 18:19	7440-47-3	
Lead	39.3	mg/kg	2.4	0.71	1	08/25/22 06:01	08/26/22 18:19	7439-92-1	
Selenium	<1.6	mg/kg	4.7	1.6	1	08/25/22 06:01	08/26/22 18:19	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	08/25/22 06:01	08/26/22 18:19	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.055	mg/kg	0.038	0.011	1	08/25/22 09:14	08/26/22 09:08	7439-97-6	B
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.3	%	0.10	0.10	1		08/25/22 12:36		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

QC Batch: 424378

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016

METHOD BLANK: 2443793

Matrix: Solid

Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	08/26/22 07:08	

LABORATORY CONTROL SAMPLE: 2443794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.92	111	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443795 2443796

Parameter	Units	40250215001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.029J	0.98	0.98	0.99	0.99	99	98	85-115	1	20	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch:	424240	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3050B	Analysis Description:	6010D MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229022, 40250229023, 40250229024, 40250229025, 40250229026, 40250229027, 40250229028, 40250229029, 40250229030, 40250229031

METHOD BLANK: 2443047 Matrix: Solid  
Associated Lab Samples: 40250229022, 40250229023, 40250229024, 40250229025, 40250229026, 40250229027, 40250229028, 40250229029, 40250229030, 40250229031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	08/29/22 20:40	
Barium	mg/kg	<0.15	0.50	08/29/22 20:40	
Cadmium	mg/kg	<0.13	0.50	08/29/22 20:40	
Chromium	mg/kg	<0.28	1.0	08/29/22 20:40	
Lead	mg/kg	<0.60	2.0	08/29/22 20:40	
Selenium	mg/kg	<1.3	4.0	08/29/22 20:40	
Silver	mg/kg	<0.31	1.0	08/29/22 20:40	

LABORATORY CONTROL SAMPLE: 2443048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.1	96	80-120	
Barium	mg/kg	25	25.7	103	80-120	
Cadmium	mg/kg	25	25.4	102	80-120	
Chromium	mg/kg	25	25.4	102	80-120	
Lead	mg/kg	25	25.6	102	80-120	
Selenium	mg/kg	25	25.4	102	80-120	
Silver	mg/kg	12.5	12.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443049 2443050

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Arsenic	mg/kg	<1.5	24.9	24.9	23.5	23.3	94	94	75-125	1	20
Barium	mg/kg	34.8	24.9	24.9	71.1	69.6	146	140	75-125	2	20 M0
Cadmium	mg/kg	0.17J	24.9	24.9	25.0	24.7	100	99	75-125	1	20
Chromium	mg/kg	8.4	24.9	24.9	36.4	37.2	112	116	75-125	2	20
Lead	mg/kg	2.1	24.9	24.9	27.5	26.7	102	99	75-125	3	20
Selenium	mg/kg	<1.3	24.9	24.9	25.1	24.6	101	99	75-125	2	20
Silver	mg/kg	<0.31	12.5	12.4	12.4	12.2	99	97	75-125	2	20

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch: 424316 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3050B Analysis Description: 6010D MET  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016, 40250229017, 40250229018, 40250229019, 40250229020, 40250229021

METHOD BLANK: 2443522 Matrix: Solid  
Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016, 40250229017, 40250229018, 40250229019, 40250229020, 40250229021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	08/26/22 15:53	
Barium	mg/kg	<0.15	0.50	08/26/22 15:53	
Cadmium	mg/kg	<0.13	0.50	08/26/22 15:53	
Chromium	mg/kg	<0.28	1.0	08/26/22 15:53	
Lead	mg/kg	<0.60	2.0	08/26/22 15:53	
Selenium	mg/kg	<1.3	4.0	08/26/22 15:53	
Silver	mg/kg	<0.31	1.0	08/26/22 15:53	

LABORATORY CONTROL SAMPLE: 2443523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	23.9	96	80-120	
Barium	mg/kg	25	24.0	96	80-120	
Cadmium	mg/kg	25	24.9	100	80-120	
Chromium	mg/kg	25	24.9	100	80-120	
Lead	mg/kg	25	25.5	102	80-120	
Selenium	mg/kg	25	25.3	101	80-120	
Silver	mg/kg	12.5	12.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443524 2443525

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250229001 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	mg/kg	1.8J	27.4	27.5	32.6	29.8	113	102	75-125	9	20		
Barium	mg/kg	53.1	27.4	27.5	77.5	101	89	176	75-125	27	20	M0, R1	
Cadmium	mg/kg	0.58	27.4	27.5	28.5	28.6	102	102	75-125	0	20		
Chromium	mg/kg	11.4	27.4	27.5	40.8	43.4	107	117	75-125	6	20		
Lead	mg/kg	270	27.4	27.5	120	164	-548	-387	75-125	31	20	P6, R1	
Selenium	mg/kg	<1.4	27.4	27.5	28.0	27.4	102	100	75-125	2	20		
Silver	mg/kg	<0.34	13.7	13.7	14.8	14.6	106	104	75-125	1	20		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch: 424392 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229001, 40250229002

METHOD BLANK: 2443913 Matrix: Solid  
Associated Lab Samples: 40250229001, 40250229002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/25/22 09:39	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/25/22 09:39	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/25/22 09:39	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/25/22 09:39	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/25/22 09:39	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/25/22 09:39	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/25/22 09:39	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/25/22 09:39	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/25/22 09:39	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/25/22 09:39	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/25/22 09:39	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/25/22 09:39	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/25/22 09:39	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/25/22 09:39	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/25/22 09:39	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/25/22 09:39	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/25/22 09:39	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/25/22 09:39	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/25/22 09:39	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/25/22 09:39	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/25/22 09:39	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/25/22 09:39	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/25/22 09:39	
Benzene	ug/kg	<11.9	20.0	08/25/22 09:39	
Bromobenzene	ug/kg	<19.5	50.0	08/25/22 09:39	
Bromochloromethane	ug/kg	<13.7	50.0	08/25/22 09:39	
Bromodichloromethane	ug/kg	<11.9	50.0	08/25/22 09:39	
Bromoform	ug/kg	<220	250	08/25/22 09:39	
Bromomethane	ug/kg	<70.1	250	08/25/22 09:39	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/25/22 09:39	
Chlorobenzene	ug/kg	<6.0	50.0	08/25/22 09:39	
Chloroethane	ug/kg	<21.1	250	08/25/22 09:39	
Chloroform	ug/kg	<35.8	250	08/25/22 09:39	
Chloromethane	ug/kg	<19.0	50.0	08/25/22 09:39	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/25/22 09:39	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/25/22 09:39	
Dibromochloromethane	ug/kg	<171	250	08/25/22 09:39	
Dibromomethane	ug/kg	<14.8	50.0	08/25/22 09:39	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/25/22 09:39	
Diisopropyl ether	ug/kg	<12.4	50.0	08/25/22 09:39	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

METHOD BLANK: 2443913

Matrix: Solid

Associated Lab Samples: 40250229001, 40250229002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	08/25/22 09:39	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/25/22 09:39	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/25/22 09:39	
m&p-Xylene	ug/kg	<21.1	100	08/25/22 09:39	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/25/22 09:39	
Methylene Chloride	ug/kg	<13.9	50.0	08/25/22 09:39	
n-Butylbenzene	ug/kg	<22.9	50.0	08/25/22 09:39	
n-Propylbenzene	ug/kg	<12.0	50.0	08/25/22 09:39	
Naphthalene	ug/kg	<15.6	250	08/25/22 09:39	
o-Xylene	ug/kg	<15.0	50.0	08/25/22 09:39	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/25/22 09:39	
sec-Butylbenzene	ug/kg	<12.2	50.0	08/25/22 09:39	
Styrene	ug/kg	<12.8	50.0	08/25/22 09:39	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/25/22 09:39	
Tetrachloroethene	ug/kg	<19.4	50.0	08/25/22 09:39	
Toluene	ug/kg	<12.6	50.0	08/25/22 09:39	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/25/22 09:39	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/25/22 09:39	
Trichloroethene	ug/kg	<18.7	50.0	08/25/22 09:39	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/25/22 09:39	
Vinyl chloride	ug/kg	<10.1	50.0	08/25/22 09:39	
Xylene (Total)	ug/kg	<36.1	150	08/25/22 09:39	
1,2-Dichlorobenzene-d4 (S)	%	106	71-161	08/25/22 09:39	
4-Bromofluorobenzene (S)	%	112	68-156	08/25/22 09:39	
Toluene-d8 (S)	%	111	69-153	08/25/22 09:39	

LABORATORY CONTROL SAMPLE: 2443914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2730	109	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2630	105	70-130	
1,1-Dichloroethane	ug/kg	2500	2530	101	70-130	
1,1-Dichloroethene	ug/kg	2500	2410	97	77-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2540	102	67-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2490	100	70-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2590	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2700	108	70-130	
1,2-Dichloroethane	ug/kg	2500	2520	101	70-130	
1,2-Dichloropropane	ug/kg	2500	2490	100	80-123	
1,3-Dichlorobenzene	ug/kg	2500	2690	108	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2610	104	70-130	
Benzene	ug/kg	2500	2550	102	70-130	
Bromodichloromethane	ug/kg	2500	2510	100	70-130	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2443914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2590	104	60-130	
Bromomethane	ug/kg	2500	1820	73	45-153	
Carbon tetrachloride	ug/kg	2500	2600	104	70-130	
Chlorobenzene	ug/kg	2500	2670	107	70-130	
Chloroethane	ug/kg	2500	1710	68	55-160	
Chloroform	ug/kg	2500	2470	99	80-120	
Chloromethane	ug/kg	2500	2070	83	47-130	
cis-1,2-Dichloroethene	ug/kg	2500	2460	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	100	70-130	
Dibromochloromethane	ug/kg	2500	2500	100	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	16-83	
Ethylbenzene	ug/kg	2500	2610	104	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5080	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2550	102	65-130	
Methylene Chloride	ug/kg	2500	2500	100	70-130	
o-Xylene	ug/kg	2500	2540	102	70-130	
Styrene	ug/kg	2500	2590	104	70-130	
Tetrachloroethene	ug/kg	2500	2630	105	70-130	
Toluene	ug/kg	2500	2620	105	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2500	100	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Trichloroethene	ug/kg	2500	2590	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2150	86	70-130	
Vinyl chloride	ug/kg	2500	2260	90	59-114	
Xylene (Total)	ug/kg	7500	7620	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	71-161	
4-Bromofluorobenzene (S)	%			115	68-156	
Toluene-d8 (S)	%			112	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443915 2443916

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250138009	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<17.1	1330	1330	1120	1100	84	83	69-130	2	20		
1,1,2,2-Tetrachloroethane	ug/kg	<24.1	1330	1330	1490	1420	111	106	70-130	5	20		
1,1,2-Trichloroethane	ug/kg	<24.3	1330	1330	1330	1330	100	100	70-130	0	20		
1,1-Dichloroethane	ug/kg	<17.1	1330	1330	1300	1240	97	93	70-130	4	20		
1,1-Dichloroethene	ug/kg	<22.1	1330	1330	1080	1080	81	81	55-120	0	22		
1,2,4-Trichlorobenzene	ug/kg	<55.0	1330	1330	1530	1460	114	109	67-130	5	20		
1,2-Dibromo-3-chloropropane	ug/kg	<51.8	1330	1330	1310	1230	98	92	70-130	6	22		
1,2-Dibromoethane (EDB)	ug/kg	<18.3	1330	1330	1320	1320	99	99	70-130	0	20		
1,2-Dichlorobenzene	ug/kg	<20.7	1330	1330	1450	1400	109	105	70-130	4	20		
1,2-Dichloroethane	ug/kg	<15.3	1330	1330	1280	1280	96	96	70-130	0	20		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Parameter	Units	2443915		2443916		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40250138009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/kg	<15.9	1330	1330	1280	1250	96	94	80-123	2	20		
1,3-Dichlorobenzene	ug/kg	<18.3	1330	1330	1420	1370	107	103	70-130	4	20		
1,4-Dichlorobenzene	ug/kg	<18.3	1330	1330	1300	1270	97	95	70-130	2	20		
Benzene	ug/kg	<15.9	1330	1330	1320	1300	99	97	70-130	2	20		
Bromodichloromethane	ug/kg	<15.9	1330	1330	1230	1210	92	90	70-130	2	20		
Bromoform	ug/kg	<294	1330	1330	1200	1220	90	92	60-130	2	20		
Bromomethane	ug/kg	<93.5	1330	1330	926	892	69	67	38-153	4	20		
Carbon tetrachloride	ug/kg	<14.7	1330	1330	1090	1030	82	77	62-130	6	20		
Chlorobenzene	ug/kg	<8.0	1330	1330	1330	1310	100	98	70-130	2	20		
Chloroethane	ug/kg	<28.2	1330	1330	862	865	65	65	53-160	0	24		
Chloroform	ug/kg	<47.8	1330	1330	1280	1250	96	93	80-120	2	20		
Chloromethane	ug/kg	<25.3	1330	1330	885	815	66	61	10-130	8	20		
cis-1,2-Dichloroethene	ug/kg	<14.3	1330	1330	1260	1280	94	96	70-130	2	20		
cis-1,3-Dichloropropene	ug/kg	<44.0	1330	1330	1220	1200	92	90	70-130	2	20		
Dibromochloromethane	ug/kg	<228	1330	1330	1190	1200	89	90	70-130	1	20		
Dichlorodifluoromethane	ug/kg	<28.7	1330	1330	337	322	25	24	10-83	5	31		
Ethylbenzene	ug/kg	<15.9	1330	1330	1260	1230	94	92	80-120	2	20		
Isopropylbenzene (Cumene)	ug/kg	<18.0	1330	1330	1250	1190	94	89	70-130	5	20		
m&p-Xylene	ug/kg	<28.2	2670	2670	2520	2490	95	93	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<19.6	1330	1330	1350	1310	101	98	66-130	3	20		
Methylene Chloride	ug/kg	<18.5	1330	1330	1320	1310	99	98	70-130	1	20		
o-Xylene	ug/kg	<20.0	1330	1330	1260	1280	94	96	70-130	2	20		
Styrene	ug/kg	<17.1	1330	1330	1280	1240	96	93	70-130	3	20		
Tetrachloroethene	ug/kg	<25.9	1330	1330	1250	1150	93	86	69-130	8	20		
Toluene	ug/kg	<16.8	1330	1330	1290	1280	97	96	79-120	1	20		
trans-1,2-Dichloroethene	ug/kg	<14.4	1330	1330	1250	1210	93	90	70-130	3	20		
trans-1,3-Dichloropropene	ug/kg	<191	1330	1330	1240	1200	93	90	69-130	4	20		
Trichloroethene	ug/kg	<24.9	1330	1330	1280	1230	96	92	70-130	4	20		
Trichlorofluoromethane	ug/kg	<19.3	1330	1330	801	762	60	57	50-130	5	22		
Vinyl chloride	ug/kg	<13.5	1330	1330	885	833	66	62	26-114	6	20		
Xylene (Total)	ug/kg	<48.2	4000	4000	3780	3760	94	94	70-130	0	20		
1,2-Dichlorobenzene-d4 (S)	%						124	124	71-161				
4-Bromofluorobenzene (S)	%						136	135	68-156				
Toluene-d8 (S)	%						132	129	69-153				

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch: 424500 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229003, 40250229004, 40250229005, 40250229006, 40250229007

METHOD BLANK: 2444476 Matrix: Solid  
Associated Lab Samples: 40250229003, 40250229004, 40250229005, 40250229006, 40250229007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/26/22 10:29	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/26/22 10:29	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/26/22 10:29	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/26/22 10:29	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/26/22 10:29	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/26/22 10:29	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/26/22 10:29	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/26/22 10:29	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/26/22 10:29	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/26/22 10:29	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/26/22 10:29	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/26/22 10:29	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/26/22 10:29	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/26/22 10:29	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/26/22 10:29	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/26/22 10:29	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/26/22 10:29	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/26/22 10:29	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/26/22 10:29	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/26/22 10:29	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/26/22 10:29	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/26/22 10:29	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/26/22 10:29	
Benzene	ug/kg	<11.9	20.0	08/26/22 10:29	
Bromobenzene	ug/kg	<19.5	50.0	08/26/22 10:29	
Bromochloromethane	ug/kg	<13.7	50.0	08/26/22 10:29	
Bromodichloromethane	ug/kg	<11.9	50.0	08/26/22 10:29	
Bromoform	ug/kg	<220	250	08/26/22 10:29	
Bromomethane	ug/kg	<70.1	250	08/26/22 10:29	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/26/22 10:29	
Chlorobenzene	ug/kg	<6.0	50.0	08/26/22 10:29	
Chloroethane	ug/kg	<21.1	250	08/26/22 10:29	
Chloroform	ug/kg	<35.8	250	08/26/22 10:29	
Chloromethane	ug/kg	<19.0	50.0	08/26/22 10:29	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/26/22 10:29	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/26/22 10:29	
Dibromochloromethane	ug/kg	<171	250	08/26/22 10:29	
Dibromomethane	ug/kg	<14.8	50.0	08/26/22 10:29	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/26/22 10:29	
Diisopropyl ether	ug/kg	<12.4	50.0	08/26/22 10:29	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

METHOD BLANK: 2444476 Matrix: Solid  
Associated Lab Samples: 40250229003, 40250229004, 40250229005, 40250229006, 40250229007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	08/26/22 10:29	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/26/22 10:29	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/26/22 10:29	
m&p-Xylene	ug/kg	<21.1	100	08/26/22 10:29	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/26/22 10:29	
Methylene Chloride	ug/kg	<13.9	50.0	08/26/22 10:29	
n-Butylbenzene	ug/kg	<22.9	50.0	08/26/22 10:29	
n-Propylbenzene	ug/kg	<12.0	50.0	08/26/22 10:29	
Naphthalene	ug/kg	<15.6	250	08/26/22 10:29	
o-Xylene	ug/kg	<15.0	50.0	08/26/22 10:29	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/26/22 10:29	
sec-Butylbenzene	ug/kg	<12.2	50.0	08/26/22 10:29	
Styrene	ug/kg	<12.8	50.0	08/26/22 10:29	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/26/22 10:29	
Tetrachloroethene	ug/kg	<19.4	50.0	08/26/22 10:29	
Toluene	ug/kg	<12.6	50.0	08/26/22 10:29	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/26/22 10:29	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/26/22 10:29	
Trichloroethene	ug/kg	<18.7	50.0	08/26/22 10:29	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/26/22 10:29	
Vinyl chloride	ug/kg	<10.1	50.0	08/26/22 10:29	
Xylene (Total)	ug/kg	<36.1	150	08/26/22 10:29	
1,2-Dichlorobenzene-d4 (S)	%	102	71-161	08/26/22 10:29	
4-Bromofluorobenzene (S)	%	108	68-156	08/26/22 10:29	
Toluene-d8 (S)	%	108	69-153	08/26/22 10:29	

LABORATORY CONTROL SAMPLE: 2444477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2710	108	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2630	105	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethane	ug/kg	2500	2640	105	70-130	
1,1-Dichloroethene	ug/kg	2500	2600	104	77-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2450	98	67-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2330	93	70-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2540	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2640	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2640	105	70-130	
1,2-Dichloropropane	ug/kg	2500	2600	104	80-123	
1,3-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
Benzene	ug/kg	2500	2650	106	70-130	
Bromodichloromethane	ug/kg	2500	2640	106	70-130	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2444477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2560	103	60-130	
Bromomethane	ug/kg	2500	1930	77	45-153	
Carbon tetrachloride	ug/kg	2500	2830	113	70-130	
Chlorobenzene	ug/kg	2500	2700	108	70-130	
Chloroethane	ug/kg	2500	1770	71	55-160	
Chloroform	ug/kg	2500	2560	103	80-120	
Chloromethane	ug/kg	2500	2040	82	47-130	
cis-1,2-Dichloroethene	ug/kg	2500	2590	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Dibromochloromethane	ug/kg	2500	2490	99	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	16-83	
Ethylbenzene	ug/kg	2500	2800	112	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2840	114	70-130	
m&p-Xylene	ug/kg	5000	5790	116	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2560	102	65-130	
Methylene Chloride	ug/kg	2500	2620	105	70-130	
o-Xylene	ug/kg	2500	2800	112	70-130	
Styrene	ug/kg	2500	2830	113	70-130	
Tetrachloroethene	ug/kg	2500	2520	101	70-130	
Toluene	ug/kg	2500	2480	99	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2610	105	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Trichloroethene	ug/kg	2500	2700	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2440	98	70-130	
Vinyl chloride	ug/kg	2500	2330	93	59-114	
Xylene (Total)	ug/kg	7500	8590	115	70-130	
1,2-Dichlorobenzene-d4 (S)	%			107	71-161	
4-Bromofluorobenzene (S)	%			116	68-156	
Toluene-d8 (S)	%			109	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2444478 2444479

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250090005	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<18.5	1440	1440	1210	1190	84	82	69-130	2	20		
1,1,2,2-Tetrachloroethane	ug/kg	<26.1	1440	1440	1630	1520	113	105	70-130	7	20		
1,1,2-Trichloroethane	ug/kg	<26.3	1440	1440	1560	1430	108	99	70-130	9	20		
1,1-Dichloroethane	ug/kg	<18.5	1440	1440	1370	1360	95	94	70-130	1	20		
1,1-Dichloroethene	ug/kg	<24.0	1440	1440	1200	1040	83	72	55-120	14	22		
1,2,4-Trichlorobenzene	ug/kg	<59.5	1440	1440	1780	1610	123	112	67-130	10	20		
1,2-Dibromo-3-chloropropane	ug/kg	<56.0	1440	1440	1480	1410	102	98	70-130	4	22		
1,2-Dibromoethane (EDB)	ug/kg	<19.8	1440	1440	1420	1400	99	97	70-130	2	20		
1,2-Dichlorobenzene	ug/kg	<22.4	1440	1440	1690	1560	117	108	70-130	8	20		
1,2-Dichloroethane	ug/kg	<16.6	1440	1440	1400	1410	97	97	70-130	1	20		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2444478 2444479												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40250090005 Result	Spike Conc.	Spike Conc.	MS Result							
1,2-Dichloropropane	ug/kg	<17.2	1440	1440	1360	1360	94	94	80-123	0	20	
1,3-Dichlorobenzene	ug/kg	<19.8	1440	1440	1600	1520	111	105	70-130	5	20	
1,4-Dichlorobenzene	ug/kg	<19.8	1440	1440	1540	1400	107	97	70-130	9	20	
Benzene	ug/kg	<17.2	1440	1440	1410	1410	98	98	70-130	0	20	
Bromodichloromethane	ug/kg	<17.2	1440	1440	1340	1330	93	92	70-130	1	20	
Bromoform	ug/kg	<318	1440	1440	1350	1290	94	89	60-130	5	20	
Bromomethane	ug/kg	<101	1440	1440	969	959	67	66	38-153	1	20	
Carbon tetrachloride	ug/kg	<15.9	1440	1440	1200	1140	83	79	62-130	5	20	
Chlorobenzene	ug/kg	<8.6	1440	1440	1480	1450	102	101	70-130	1	20	
Chloroethane	ug/kg	<30.5	1440	1440	824	970	57	67	53-160	16	24	
Chloroform	ug/kg	<51.7	1440	1440	1370	1310	95	91	80-120	4	20	
Chloromethane	ug/kg	<27.4	1440	1440	854	855	59	59	10-130	0	20	
cis-1,2-Dichloroethene	ug/kg	<15.4	1440	1440	1340	1290	93	89	70-130	4	20	
cis-1,3-Dichloropropene	ug/kg	<47.6	1440	1440	1270	1290	88	89	70-130	2	20	
Dibromochloromethane	ug/kg	<247	1440	1440	1350	1320	94	91	70-130	3	20	
Dichlorodifluoromethane	ug/kg	<31.0	1440	1440	341	325	24	22	10-83	5	31	
Ethylbenzene	ug/kg	18.8J	1440	1440	1400	1370	96	93	80-120	2	20	
Isopropylbenzene (Cumene)	ug/kg	<19.5	1440	1440	1430	1320	99	92	70-130	8	20	
m&p-Xylene	ug/kg	41.1J	2880	2880	2830	2700	97	92	70-130	5	20	
Methyl-tert-butyl ether	ug/kg	<21.2	1440	1440	1430	1410	99	97	66-130	2	20	
Methylene Chloride	ug/kg	<20.1	1440	1440	1400	1400	97	97	70-130	0	20	
o-Xylene	ug/kg	<21.7	1440	1440	1440	1390	100	96	70-130	3	20	
Styrene	ug/kg	<18.5	1440	1440	1420	1360	98	94	70-130	5	20	
Tetrachloroethene	ug/kg	<28.0	1440	1440	1350	1260	93	88	69-130	6	20	
Toluene	ug/kg	<18.2	1440	1440	1410	1400	97	97	79-120	0	20	
trans-1,2-Dichloroethene	ug/kg	<15.6	1440	1440	1320	1320	91	92	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<206	1440	1440	1290	1280	89	89	69-130	1	20	
Trichloroethene	ug/kg	<27.0	1440	1440	1350	1300	94	90	70-130	4	20	
Trichlorofluoromethane	ug/kg	<20.9	1440	1440	934	824	65	57	50-130	13	22	
Vinyl chloride	ug/kg	<14.6	1440	1440	921	889	64	62	26-114	4	20	
Xylene (Total)	ug/kg	<52.1	4320	4320	4270	4100	98	94	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%						125	124	71-161			
4-Bromofluorobenzene (S)	%						135	135	68-156			
Toluene-d8 (S)	%						130	130	69-153			

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

METHOD BLANK: 2444649 Matrix: Solid  
Associated Lab Samples: 40250229008, 40250229009, 40250229016, 40250229017, 40250229018, 40250229019, 40250229020, 40250229021, 40250229022, 40250229023, 40250229028, 40250229029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	08/26/22 10:29	
Ethylbenzene	ug/kg	<11.9	50.0	08/26/22 10:29	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/26/22 10:29	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/26/22 10:29	
m&p-Xylene	ug/kg	<21.1	100	08/26/22 10:29	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/26/22 10:29	
Methylene Chloride	ug/kg	<13.9	50.0	08/26/22 10:29	
n-Butylbenzene	ug/kg	<22.9	50.0	08/26/22 10:29	
n-Propylbenzene	ug/kg	<12.0	50.0	08/26/22 10:29	
Naphthalene	ug/kg	<15.6	250	08/26/22 10:29	
o-Xylene	ug/kg	<15.0	50.0	08/26/22 10:29	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/26/22 10:29	
sec-Butylbenzene	ug/kg	<12.2	50.0	08/26/22 10:29	
Styrene	ug/kg	<12.8	50.0	08/26/22 10:29	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/26/22 10:29	
Tetrachloroethene	ug/kg	<19.4	50.0	08/26/22 10:29	
Toluene	ug/kg	<12.6	50.0	08/26/22 10:29	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/26/22 10:29	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/26/22 10:29	
Trichloroethene	ug/kg	<18.7	50.0	08/26/22 10:29	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/26/22 10:29	
Vinyl chloride	ug/kg	<10.1	50.0	08/26/22 10:29	
Xylene (Total)	ug/kg	<36.1	150	08/26/22 10:29	
1,2-Dichlorobenzene-d4 (S)	%	117	71-161	08/26/22 10:29	
4-Bromofluorobenzene (S)	%	127	68-156	08/26/22 10:29	
Toluene-d8 (S)	%	103	69-153	08/26/22 10:29	

LABORATORY CONTROL SAMPLE: 2444650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2550	102	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3060	123	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2670	107	70-130	
1,1-Dichloroethane	ug/kg	2500	2700	108	70-130	
1,1-Dichloroethene	ug/kg	2500	2430	97	77-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2550	102	67-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	3170	127	70-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2650	106	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2910	117	70-130	
1,2-Dichloroethane	ug/kg	2500	2930	117	70-130	
1,2-Dichloropropane	ug/kg	2500	2700	108	80-123	
1,3-Dichlorobenzene	ug/kg	2500	2770	111	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2730	109	70-130	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2444650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2450	98	70-130	
Bromodichloromethane	ug/kg	2500	2560	102	70-130	
Bromoform	ug/kg	2500	2350	94	60-130	
Bromomethane	ug/kg	2500	3010	121	45-153	
Carbon tetrachloride	ug/kg	2500	2720	109	70-130	
Chlorobenzene	ug/kg	2500	2510	100	70-130	
Chloroethane	ug/kg	2500	3250	130	55-160	
Chloroform	ug/kg	2500	2780	111	80-120	
Chloromethane	ug/kg	2500	2050	82	47-130	
cis-1,2-Dichloroethene	ug/kg	2500	2530	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2490	100	70-130	
Dibromochloromethane	ug/kg	2500	2550	102	70-130	
Dichlorodifluoromethane	ug/kg	2500	1350	54	16-83	
Ethylbenzene	ug/kg	2500	2540	101	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2560	102	70-130	
m&p-Xylene	ug/kg	5000	5140	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2280	91	65-130	
Methylene Chloride	ug/kg	2500	2640	105	70-130	
o-Xylene	ug/kg	2500	2540	101	70-130	
Styrene	ug/kg	2500	2680	107	70-130	
Tetrachloroethene	ug/kg	2500	2430	97	70-130	
Toluene	ug/kg	2500	2520	101	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2560	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2460	98	70-130	
Trichloroethene	ug/kg	2500	2600	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2580	103	70-130	
Vinyl chloride	ug/kg	2500	2250	90	59-114	
Xylene (Total)	ug/kg	7500	7680	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			115	71-161	
4-Bromofluorobenzene (S)	%			128	68-156	
Toluene-d8 (S)	%			105	69-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2444651 2444652

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250229017 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<18.1	1410	1410	1260	1120	89	79	69-130	12	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.6	1410	1410	1630	1600	115	113	70-130	2	20		
1,1,2-Trichloroethane	ug/kg	<25.8	1410	1410	1450	1410	103	100	70-130	3	20		
1,1-Dichloroethane	ug/kg	<18.1	1410	1410	1410	1360	99	96	70-130	3	20		
1,1-Dichloroethene	ug/kg	<23.5	1410	1410	1150	1090	81	77	55-120	6	22		
1,2,4-Trichlorobenzene	ug/kg	<58.4	1410	1410	1390	1340	98	95	67-130	3	20		
1,2-Dibromo-3-chloropropane	ug/kg	<55.0	1410	1410	1620	1730	114	122	70-130	7	22		
1,2-Dibromoethane (EDB)	ug/kg	<19.4	1410	1410	1470	1410	104	100	70-130	4	20		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2444651		2444652		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40250229017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichlorobenzene	ug/kg	<22.0	1410	1410	1540	1490	109	105	70-130	3	20		
1,2-Dichloroethane	ug/kg	<16.3	1410	1410	1590	1580	112	112	70-130	0	20		
1,2-Dichloropropane	ug/kg	<16.9	1410	1410	1490	1410	105	99	80-123	6	20		
1,3-Dichlorobenzene	ug/kg	<19.4	1410	1410	1460	1380	103	98	70-130	5	20		
1,4-Dichlorobenzene	ug/kg	<19.4	1410	1410	1340	1350	95	95	70-130	0	20		
Benzene	ug/kg	<16.9	1410	1410	1340	1260	95	89	70-130	6	20		
Bromodichloromethane	ug/kg	<16.9	1410	1410	1320	1310	93	92	70-130	1	20		
Bromoform	ug/kg	<312	1410	1410	1170	1110	83	78	60-130	5	20		
Bromomethane	ug/kg	<99.3	1410	1410	1570	1590	111	112	38-153	1	20		
Carbon tetrachloride	ug/kg	<15.6	1410	1410	1030	1040	73	73	62-130	1	20		
Chlorobenzene	ug/kg	<8.5	1410	1410	1380	1340	98	95	70-130	3	20		
Chloroethane	ug/kg	<29.9	1410	1410	1720	1640	122	116	53-160	5	24		
Chloroform	ug/kg	<50.7	1410	1410	1500	1520	106	108	80-120	1	20		
Chloromethane	ug/kg	<26.9	1410	1410	937	883	66	62	10-130	6	20		
cis-1,2-Dichloroethene	ug/kg	<15.2	1410	1410	1330	1270	94	90	70-130	4	20		
cis-1,3-Dichloropropene	ug/kg	<46.7	1410	1410	1270	1240	89	88	70-130	2	20		
Dibromochloromethane	ug/kg	<242	1410	1410	1320	1250	93	88	70-130	5	20		
Dichlorodifluoromethane	ug/kg	<30.5	1410	1410	283	317	20	22	10-83	11	31		
Ethylbenzene	ug/kg	<16.9	1410	1410	1360	1270	96	90	80-120	7	20		
Isopropylbenzene (Cumene)	ug/kg	<19.1	1410	1410	1310	1210	92	85	70-130	8	20		
m&p-Xylene	ug/kg	<29.9	2830	2830	2650	2580	94	91	70-130	3	20		
Methyl-tert-butyl ether	ug/kg	<20.8	1410	1410	1270	1250	90	89	66-130	1	20		
Methylene Chloride	ug/kg	<19.7	1410	1410	1600	1460	113	103	70-130	10	20		
o-Xylene	ug/kg	<21.2	1410	1410	1370	1290	97	91	70-130	6	20		
Styrene	ug/kg	<18.1	1410	1410	1390	1330	98	94	70-130	4	20		
Tetrachloroethene	ug/kg	<27.5	1410	1410	1250	1070	89	75	69-130	16	20		
Toluene	ug/kg	<17.8	1410	1410	1380	1330	97	94	79-120	3	20		
trans-1,2-Dichloroethene	ug/kg	<15.3	1410	1410	1340	1240	95	88	70-130	8	20		
trans-1,3-Dichloropropene	ug/kg	<203	1410	1410	1310	1300	93	91	69-130	1	20		
Trichloroethene	ug/kg	<26.5	1410	1410	1360	1320	96	93	70-130	3	20		
Trichlorofluoromethane	ug/kg	<20.5	1410	1410	930	952	66	67	50-130	2	22		
Vinyl chloride	ug/kg	<14.3	1410	1410	878	889	62	63	26-114	1	20		
Xylene (Total)	ug/kg	<51.1	4250	4250	4030	3860	95	91	70-130	4	20		
1,2-Dichlorobenzene-d4 (S)	%						136	136	71-161				
4-Bromofluorobenzene (S)	%						147	155	68-156				
Toluene-d8 (S)	%						129	128	69-153				

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch: 424283 Analysis Method: EPA 8082A  
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229030, 40250229031

METHOD BLANK: 2443227 Matrix: Solid  
Associated Lab Samples: 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229030, 40250229031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	08/25/22 08:20	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	08/25/22 08:20	
Decachlorobiphenyl (S)	%	74	38-95	08/25/22 08:20	
Tetrachloro-m-xylene (S)	%	67	50-99	08/25/22 08:20	

LABORATORY CONTROL SAMPLE: 2443228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	368	74	71-104	
Decachlorobiphenyl (S)	%			75	38-95	
Tetrachloro-m-xylene (S)	%			70	50-99	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443229 2443230

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250229014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1221 (Aroclor 1221)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1232 (Aroclor 1232)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1242 (Aroclor 1242)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1248 (Aroclor 1248)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1254 (Aroclor 1254)	ug/kg	<16.8			<16.8	<16.7					20
PCB-1260 (Aroclor 1260)	ug/kg	<16.8	551	550	378	378	69	69	42-109	0	20
Decachlorobiphenyl (S)	%						69	70	38-95		
Tetrachloro-m-xylene (S)	%						64	64	50-99		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch:	424489	Analysis Method:	EPA 8270E by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270E/3546 MSSV PAH by SIM
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016, 40250229017, 40250229018, 40250229019

METHOD BLANK: 2444447 Matrix: Solid  
Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013, 40250229014, 40250229015, 40250229016, 40250229017, 40250229018, 40250229019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/26/22 09:53	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/26/22 09:53	
Acenaphthene	ug/kg	<2.2	16.7	08/26/22 09:53	
Acenaphthylene	ug/kg	<2.1	16.7	08/26/22 09:53	
Anthracene	ug/kg	<2.1	16.7	08/26/22 09:53	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/26/22 09:53	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/26/22 09:53	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/26/22 09:53	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/26/22 09:53	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/26/22 09:53	
Chrysene	ug/kg	<3.1	16.7	08/26/22 09:53	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/26/22 09:53	
Fluoranthene	ug/kg	<2.0	16.7	08/26/22 09:53	
Fluorene	ug/kg	<2.0	16.7	08/26/22 09:53	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/26/22 09:53	
Naphthalene	ug/kg	<1.6	16.7	08/26/22 09:53	
Phenanthrene	ug/kg	<1.9	16.7	08/26/22 09:53	
Pyrene	ug/kg	<2.5	16.7	08/26/22 09:53	
2-Fluorobiphenyl (S)	%	65	41-98	08/26/22 09:53	
Terphenyl-d14 (S)	%	87	37-106	08/26/22 09:53	

LABORATORY CONTROL SAMPLE: 2444448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	259	78	64-110	
2-Methylnaphthalene	ug/kg	334	258	77	60-110	
Acenaphthene	ug/kg	334	261	78	69-120	
Acenaphthylene	ug/kg	334	261	78	63-120	
Anthracene	ug/kg	334	293	88	71-112	
Benzo(a)anthracene	ug/kg	334	263	79	62-120	
Benzo(a)pyrene	ug/kg	334	321	96	71-111	
Benzo(b)fluoranthene	ug/kg	334	273	82	59-112	
Benzo(g,h,i)perylene	ug/kg	334	306	92	64-115	
Benzo(k)fluoranthene	ug/kg	334	313	94	72-117	
Chrysene	ug/kg	334	340	102	75-120	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2444448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/kg	334	297	89	67-114	
Fluoranthene	ug/kg	334	285	85	70-110	
Fluorene	ug/kg	334	267	80	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	294	88	71-114	
Naphthalene	ug/kg	334	250	75	62-120	
Phenanthrene	ug/kg	334	259	78	59-106	
Pyrene	ug/kg	334	299	90	69-120	
2-Fluorobiphenyl (S)	%			76	41-98	
Terphenyl-d14 (S)	%			90	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2444449 2444450

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250229015 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/kg	<3.0	410	410	338	361	82	88	51-110	7	34
2-Methylnaphthalene	ug/kg	<3.0	410	410	309	321	75	78	45-110	4	29
Acenaphthene	ug/kg	<2.7	410	410	316	325	77	79	52-120	3	26
Acenaphthylene	ug/kg	<2.6	410	410	318	326	78	80	46-120	3	22
Anthracene	ug/kg	<2.5	410	410	323	338	79	82	50-112	5	25
Benzo(a)anthracene	ug/kg	<2.6	410	410	296	315	72	77	41-120	6	37
Benzo(a)pyrene	ug/kg	<2.3	410	410	348	367	85	90	44-114	5	33
Benzo(b)fluoranthene	ug/kg	<2.8	410	410	311	322	76	79	41-112	4	43
Benzo(g,h,i)perylene	ug/kg	<3.6	410	410	276	271	67	66	40-115	2	36
Benzo(k)fluoranthene	ug/kg	<2.6	410	410	347	362	85	88	56-117	4	30
Chrysene	ug/kg	<3.9	410	410	366	387	89	94	45-120	5	28
Dibenz(a,h)anthracene	ug/kg	<2.8	410	410	302	291	74	71	44-114	4	33
Fluoranthene	ug/kg	<2.4	410	410	328	343	80	83	55-110	5	43
Fluorene	ug/kg	<2.5	410	410	325	331	79	81	47-104	2	27
Indeno(1,2,3-cd)pyrene	ug/kg	<4.3	410	410	288	279	70	68	45-114	3	33
Naphthalene	ug/kg	<2.0	410	410	299	323	73	78	47-120	8	26
Phenanthrene	ug/kg	<2.3	410	410	306	309	74	75	38-106	1	24
Pyrene	ug/kg	<3.0	410	410	335	359	82	87	51-120	7	41
2-Fluorobiphenyl (S)	%						71	68	41-98		
Terphenyl-d14 (S)	%						78	79	37-106		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2445250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	334	269	81	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	287	86	71-114	
Naphthalene	ug/kg	334	256	77	62-120	
Phenanthrene	ug/kg	334	253	76	59-106	
Pyrene	ug/kg	334	297	89	69-120	
2-Fluorobiphenyl (S)	%			73	41-98	
Terphenyl-d14 (S)	%			87	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2445251 2445252

Parameter	Units	MS 40250146001		MSD 2445252		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Result	Spike Conc.						
1-Methylnaphthalene	ug/kg	104J	390	389	253J	292J	38	49	51-110	34	M1
2-Methylnaphthalene	ug/kg	88.4J	390	389	266J	296J	46	53	45-110	29	
Acenaphthene	ug/kg	71.6J	390	389	282J	318J	54	63	52-120	26	
Acenaphthylene	ug/kg	92.4J	390	389	339J	353J	63	67	46-120	22	
Anthracene	ug/kg	112J	390	389	268J	292J	40	46	50-112	25	M1
Benzo(a)anthracene	ug/kg	<63.0	390	389	201J	169J	43	35	41-120	37	M1
Benzo(a)pyrene	ug/kg	<55.3	390	389	222J	250J	51	58	44-114	33	
Benzo(b)fluoranthene	ug/kg	101J	390	389	261J	270J	41	43	41-112	43	
Benzo(g,h,i)perylene	ug/kg	<85.5	390	389	202J	201J	44	44	40-115	36	
Benzo(k)fluoranthene	ug/kg	<62.3	390	389	257J	288J	60	68	56-117	30	
Chrysene	ug/kg	553	390	389	734	733	46	46	45-120	0	28
Dibenz(a,h)anthracene	ug/kg	<67.4	390	389	189J	186J	46	45	44-114	33	
Fluoranthene	ug/kg	95.5J	390	389	370J	394J	70	77	55-110	43	
Fluorene	ug/kg	92.2J	390	389	276J	288J	47	50	47-104	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<102	390	389	193J	198J	47	49	45-114	33	
Naphthalene	ug/kg	<47.5	390	389	206J	225J	47	52	47-120	26	
Phenanthrene	ug/kg	997	390	389	1100	1190	25	48	38-106	8	24 M1
Pyrene	ug/kg	428J	390	389	566	542	35	29	51-120	4	41 M1
2-Fluorobiphenyl (S)	%						47	48	41-98		
Terphenyl-d14 (S)	%						54	58	37-106		

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

QC Batch: 424836 Analysis Method: EPA 8270E by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270E/3546 MSSV PAH by SIM  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229028

METHOD BLANK: 2446527 Matrix: Solid  
Associated Lab Samples: 40250229028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	08/31/22 10:19	
2-Methylnaphthalene	ug/kg	<2.4	16.7	08/31/22 10:19	
Acenaphthene	ug/kg	<2.2	16.7	08/31/22 10:19	
Acenaphthylene	ug/kg	<2.1	16.7	08/31/22 10:19	
Anthracene	ug/kg	<2.1	16.7	08/31/22 10:19	
Benzo(a)anthracene	ug/kg	<2.2	16.7	08/31/22 10:19	
Benzo(a)pyrene	ug/kg	<1.9	16.7	08/31/22 10:19	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	08/31/22 10:19	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	08/31/22 10:19	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	08/31/22 10:19	
Chrysene	ug/kg	<3.2	16.7	08/31/22 10:19	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	08/31/22 10:19	
Fluoranthene	ug/kg	<2.0	16.7	08/31/22 10:19	
Fluorene	ug/kg	<2.0	16.7	08/31/22 10:19	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	08/31/22 10:19	
Naphthalene	ug/kg	<1.6	16.7	08/31/22 10:19	
Phenanthrene	ug/kg	<1.9	16.7	08/31/22 10:19	
Pyrene	ug/kg	<2.5	16.7	08/31/22 10:19	
2-Fluorobiphenyl (S)	%	71	41-98	08/31/22 10:19	
Terphenyl-d14 (S)	%	90	37-106	08/31/22 10:19	

LABORATORY CONTROL SAMPLE: 2446528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	249	75	64-110	
2-Methylnaphthalene	ug/kg	334	243	73	60-110	
Acenaphthene	ug/kg	334	255	76	69-120	
Acenaphthylene	ug/kg	334	253	76	63-120	
Anthracene	ug/kg	334	297	89	71-112	
Benzo(a)anthracene	ug/kg	334	275	82	62-120	
Benzo(a)pyrene	ug/kg	334	313	94	71-111	
Benzo(b)fluoranthene	ug/kg	334	316	95	59-112	
Benzo(g,h,i)perylene	ug/kg	334	303	91	64-115	
Benzo(k)fluoranthene	ug/kg	334	277	83	72-117	
Chrysene	ug/kg	334	330	99	75-120	
Dibenz(a,h)anthracene	ug/kg	334	302	91	67-114	
Fluoranthene	ug/kg	334	291	87	70-110	
Fluorene	ug/kg	334	264	79	64-104	
Indeno(1,2,3-cd)pyrene	ug/kg	334	299	90	71-114	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

LABORATORY CONTROL SAMPLE: 2446528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	334	237	71	62-120	
Phenanthrene	ug/kg	334	267	80	59-106	
Pyrene	ug/kg	334	300	90	69-120	
2-Fluorobiphenyl (S)	%			70	41-98	
Terphenyl-d14 (S)	%			88	37-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2446529 2446530

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40250394001 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/kg	<2.8	388	387	292	202	75	52	36	34	R1
2-Methylnaphthalene	ug/kg	<2.8	388	387	269	204	69	52	28	29	
Acenaphthene	ug/kg	<2.5	388	387	287	199	74	51	36	26	M1,R1
Acenaphthylene	ug/kg	<2.4	388	387	281	191	72	49	38	22	R1
Anthracene	ug/kg	<2.4	388	387	319	199	82	51	46	25	R1
Benzo(a)anthracene	ug/kg	<2.5	388	387	286	170	74	44	51	37	R1
Benzo(a)pyrene	ug/kg	<2.2	388	387	331	210	85	54	45	33	R1
Benzo(b)fluoranthene	ug/kg	<2.7	388	387	327	208	84	54	44	43	R1
Benzo(g,h,i)perylene	ug/kg	<3.4	388	387	315	202	81	52	44	36	R1
Benzo(k)fluoranthene	ug/kg	<2.5	388	387	309	193	80	50	46	30	M1,R1
Chrysene	ug/kg	<3.7	388	387	355	235	91	60	41	28	R1
Dibenz(a,h)anthracene	ug/kg	<2.7	388	387	313	195	81	50	46	33	R1
Fluoranthene	ug/kg	<2.3	388	387	311	193	80	50	47	43	M1,R1
Fluorene	ug/kg	<2.3	388	387	296	182	76	47	48	27	R1
Indeno(1,2,3-cd)pyrene	ug/kg	<4.0	388	387	306	193	79	50	45	33	R1
Naphthalene	ug/kg	<1.9	388	387	257	218	66	56	16	26	
Phenanthrene	ug/kg	<2.2	388	387	285	173	73	45	49	24	R1
Pyrene	ug/kg	<2.9	388	387	315	195	81	50	47	41	M1,R1
2-Fluorobiphenyl (S)	%						64	49		41-98	
Terphenyl-d14 (S)	%						78	49		37-106	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

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QC Batch:	424351	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229001, 40250229002, 40250229004, 40250229005, 40250229006, 40250229007, 40250229008, 40250229009, 40250229010, 40250229011, 40250229012, 40250229013

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SAMPLE DUPLICATE: 2443711

Parameter	Units	40250222001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.4	5.6	3	10	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

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QC Batch:	424425	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229014, 40250229015, 40250229016, 40250229017, 40250229018, 40250229019, 40250229020, 40250229021, 40250229022

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SAMPLE DUPLICATE: 2444098

Parameter	Units	40250313008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.8	22.4	2	10	

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### QUALITY CONTROL DATA

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

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QC Batch:	424429	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40250229023, 40250229024, 40250229025, 40250229026, 40250229027, 40250229028, 40250229029, 40250229030, 40250229031

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SAMPLE DUPLICATE: 2444122

Parameter	Units	40250295015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.0	21.3	3	10	

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## QUALIFIERS

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

R1 RPD value was outside control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250229010	PB-5 (1'-2')	EPA 3541	424283	EPA 8082A	424309
40250229011	PB-5 (3'-4')	EPA 3541	424283	EPA 8082A	424309
40250229012	PB-6 (1'-2')	EPA 3541	424283	EPA 8082A	424309
40250229013	PB-6 (2'-3')	EPA 3541	424283	EPA 8082A	424309
40250229014	PB-7 (1'-2')	EPA 3541	424283	EPA 8082A	424309
40250229015	PB-7 (3'-4')	EPA 3541	424283	EPA 8082A	424309
40250229030	PB-15 (1'-2')	EPA 3541	424283	EPA 8082A	424309
40250229031	PB-15 (4'-5')	EPA 3541	424283	EPA 8082A	424309
40250229001	PB-1 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229002	PB-1 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229004	PB-2 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229005	PB-2 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229006	PB-3 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229007	PB-3 (4'-5')	EPA 3050B	424316	EPA 6010D	424455
40250229008	PB-4 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229009	PB-4 (2'-3')	EPA 3050B	424316	EPA 6010D	424455
40250229010	PB-5 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229011	PB-5 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229012	PB-6 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229013	PB-6 (2'-3')	EPA 3050B	424316	EPA 6010D	424455
40250229014	PB-7 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229015	PB-7 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229016	PB-8 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229017	PB-8 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229018	PB-9 (1'-2')	EPA 3050B	424316	EPA 6010D	424455
40250229019	PB-9 (2'-3')	EPA 3050B	424316	EPA 6010D	424455
40250229020	PB-10 (2'-3')	EPA 3050B	424316	EPA 6010D	424455
40250229021	PB-10 (3'-4')	EPA 3050B	424316	EPA 6010D	424455
40250229022	PB-11 (1'-2')	EPA 3050B	424240	EPA 6010D	424456
40250229023	PB-11 (2'-3')	EPA 3050B	424240	EPA 6010D	424456
40250229024	PB-12 (1'-2')	EPA 3050B	424240	EPA 6010D	424456
40250229025	PB-12 (3'-4')	EPA 3050B	424240	EPA 6010D	424456
40250229026	PB-13 (1'-2')	EPA 3050B	424240	EPA 6010D	424456
40250229027	PB-13 (3'-4')	EPA 3050B	424240	EPA 6010D	424456
40250229028	PB-14 (1'-2')	EPA 3050B	424240	EPA 6010D	424456
40250229029	PB-14 (3'-4')	EPA 3050B	424240	EPA 6010D	424456
40250229030	PB-15 (1'-2')	EPA 3050B	424240	EPA 6010D	424456
40250229031	PB-15 (4'-5')	EPA 3050B	424240	EPA 6010D	424456
40250229001	PB-1 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229002	PB-1 (3'-4')	EPA 7471	424378	EPA 7471	424430
40250229004	PB-2 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229005	PB-2 (3'-4')	EPA 7471	424378	EPA 7471	424430
40250229006	PB-3 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229007	PB-3 (4'-5')	EPA 7471	424378	EPA 7471	424430
40250229008	PB-4 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229009	PB-4 (2'-3')	EPA 7471	424378	EPA 7471	424430
40250229010	PB-5 (1'-2')	EPA 7471	424378	EPA 7471	424430

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250229011	PB-5 (3'-4')	EPA 7471	424378	EPA 7471	424430
40250229012	PB-6 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229013	PB-6 (2'-3')	EPA 7471	424378	EPA 7471	424430
40250229014	PB-7 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229015	PB-7 (3'-4')	EPA 7471	424378	EPA 7471	424430
40250229016	PB-8 (1'-2')	EPA 7471	424378	EPA 7471	424430
40250229017	PB-8 (3'-4')	EPA 7471	424381	EPA 7471	424432
40250229018	PB-9 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229019	PB-9 (2'-3')	EPA 7471	424381	EPA 7471	424432
40250229020	PB-10 (2'-3')	EPA 7471	424381	EPA 7471	424432
40250229021	PB-10 (3'-4')	EPA 7471	424381	EPA 7471	424432
40250229022	PB-11 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229023	PB-11 (2'-3')	EPA 7471	424381	EPA 7471	424432
40250229024	PB-12 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229025	PB-12 (3'-4')	EPA 7471	424381	EPA 7471	424432
40250229026	PB-13 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229027	PB-13 (3'-4')	EPA 7471	424381	EPA 7471	424432
40250229028	PB-14 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229029	PB-14 (3'-4')	EPA 7471	424381	EPA 7471	424432
40250229030	PB-15 (1'-2')	EPA 7471	424381	EPA 7471	424432
40250229031	PB-15 (4'-5')	EPA 7471	424381	EPA 7471	424432
40250229001	PB-1 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229002	PB-1 (3'-4')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229004	PB-2 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229005	PB-2 (3'-4')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229006	PB-3 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229007	PB-3 (4'-5')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229008	PB-4 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229009	PB-4 (2'-3')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229010	PB-5 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229011	PB-5 (3'-4')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229012	PB-6 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229013	PB-6 (2'-3')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229014	PB-7 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229015	PB-7 (3'-4')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229016	PB-8 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229017	PB-8 (3'-4')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229018	PB-9 (1'-2')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229019	PB-9 (2'-3')	EPA 3546	424489	EPA 8270E by SIM	424518
40250229020	PB-10 (2'-3')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229021	PB-10 (3'-4')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229022	PB-11 (1'-2')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229023	PB-11 (2'-3')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229024	PB-12 (1'-2')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229025	PB-12 (3'-4')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229026	PB-13 (1'-2')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229027	PB-13 (3'-4')	EPA 3546	424579	EPA 8270E by SIM	424633

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60679770 RIVERPOINT

Pace Project No.: 40250229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250229028	PB-14 (1'-2')	EPA 3546	424836	EPA 8270E by SIM	424864
40250229029	PB-14 (3'-4')	EPA 3546	424579	EPA 8270E by SIM	424633
40250229001	PB-1 (1'-2')	EPA 5035/5030B	424392	EPA 8260	424397
40250229002	PB-1 (3'-4')	EPA 5035/5030B	424392	EPA 8260	424397
40250229003	TB-01	EPA 5035/5030B	424500	EPA 8260	424502
40250229004	PB-2 (1'-2')	EPA 5035/5030B	424500	EPA 8260	424502
40250229005	PB-2 (3'-4')	EPA 5035/5030B	424500	EPA 8260	424502
40250229006	PB-3 (1'-2')	EPA 5035/5030B	424500	EPA 8260	424502
40250229007	PB-3 (4'-5')	EPA 5035/5030B	424500	EPA 8260	424502
40250229008	PB-4 (1'-2')	EPA 5035/5030B	424525	EPA 8260	424527
40250229009	PB-4 (2'-3')	EPA 5035/5030B	424525	EPA 8260	424527
40250229016	PB-8 (1'-2')	EPA 5035/5030B	424525	EPA 8260	424527
40250229017	PB-8 (3'-4')	EPA 5035/5030B	424525	EPA 8260	424527
40250229018	PB-9 (1'-2')	EPA 5035/5030B	424525	EPA 8260	424527
40250229019	PB-9 (2'-3')	EPA 5035/5030B	424525	EPA 8260	424527
40250229020	PB-10 (2'-3')	EPA 5035/5030B	424525	EPA 8260	424527
40250229021	PB-10 (3'-4')	EPA 5035/5030B	424525	EPA 8260	424527
40250229022	PB-11 (1'-2')	EPA 5035/5030B	424525	EPA 8260	424527
40250229023	PB-11 (2'-3')	EPA 5035/5030B	424525	EPA 8260	424527
40250229028	PB-14 (1'-2')	EPA 5035/5030B	424525	EPA 8260	424527
40250229029	PB-14 (3'-4')	EPA 5035/5030B	424525	EPA 8260	424527
40250229001	PB-1 (1'-2')	ASTM D2974-87	424351		
40250229002	PB-1 (3'-4')	ASTM D2974-87	424351		
40250229004	PB-2 (1'-2')	ASTM D2974-87	424351		
40250229005	PB-2 (3'-4')	ASTM D2974-87	424351		
40250229006	PB-3 (1'-2')	ASTM D2974-87	424351		
40250229007	PB-3 (4'-5')	ASTM D2974-87	424351		
40250229008	PB-4 (1'-2')	ASTM D2974-87	424351		
40250229009	PB-4 (2'-3')	ASTM D2974-87	424351		
40250229010	PB-5 (1'-2')	ASTM D2974-87	424351		
40250229011	PB-5 (3'-4')	ASTM D2974-87	424351		
40250229012	PB-6 (1'-2')	ASTM D2974-87	424351		
40250229013	PB-6 (2'-3')	ASTM D2974-87	424351		
40250229014	PB-7 (1'-2')	ASTM D2974-87	424425		
40250229015	PB-7 (3'-4')	ASTM D2974-87	424425		
40250229016	PB-8 (1'-2')	ASTM D2974-87	424425		
40250229017	PB-8 (3'-4')	ASTM D2974-87	424425		
40250229018	PB-9 (1'-2')	ASTM D2974-87	424425		
40250229019	PB-9 (2'-3')	ASTM D2974-87	424425		
40250229020	PB-10 (2'-3')	ASTM D2974-87	424425		
40250229021	PB-10 (3'-4')	ASTM D2974-87	424425		
40250229022	PB-11 (1'-2')	ASTM D2974-87	424425		
40250229023	PB-11 (2'-3')	ASTM D2974-87	424429		
40250229024	PB-12 (1'-2')	ASTM D2974-87	424429		
40250229025	PB-12 (3'-4')	ASTM D2974-87	424429		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60679770 RIVERPOINT  
Pace Project No.: 40250229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250229026	PB-13 (1'-2')	ASTM D2974-87	424429		
40250229027	PB-13 (3'-4')	ASTM D2974-87	424429		
40250229028	PB-14 (1'-2')	ASTM D2974-87	424429		
40250229029	PB-14 (3'-4')	ASTM D2974-87	424429		
40250229030	PB-15 (1'-2')	ASTM D2974-87	424429		
40250229031	PB-15 (4'-5')	ASTM D2974-87	424429		

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40250229

ALL SHADED AREAS are for LAB USE ONLY

Company: **AECOM**

Billing Information: **WAM**

Address: **1555 N River Center Drive**

(See Lanette)

Report To: **Lanette Altenbach**

Email To: **lanette.altenbach@AECOM.com**

Copy To:

Site Collection Info/Address: **NE corner of 11th St. & York St**

Customer Project Name/Number: **60679770 Riverpoint**

State: **WI** County/City: **Manitowoc** Time Zone Collected: [ ] PT [ ] MT [ ] ET

Phone: **262.758.9414**

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): **Keith Nielsen**

Purchase Order #: Quote #:

DW PWS ID #: DW Location Code:

Collected By (signature): *[Signature]*

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
PB-5 (3'-4')	SL	G	/	/	08/19	1230		
PB-6 (1'-2')			/	/		1240		
PB-6 (2'-3')			/	/		1250		
PB-7 (1'-2')			/	/		1300		
PB-7 (3'-4')			/	/		1310		
PB-8 (1'-2')			/	/		1040	2	
PB-8 (3'-4')			/	/		1050	2	
PB-9 (1'-2')			/	/		0900	2	
PB-9 (2'-3')			/	/		0910	2	
PB-10 (1'-2')			/	/		1020	2	

Analyses									
VOCs	PAHs	8 PCRA Metals	PCAS						

Lab Profile/Line:	
Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	
LAB USE ONLY:	
Lab Sample # / Comments:	
mtf/25/22	
01011	
012	
013	
014	
015	
016	
017	
018	
019	
020	

Customer Remarks / Special Conditions / Possible Hazards: **2 of 4**

Type of Ice Used: Wet Blue Dry None  
SHORT HOLDS PRESENT (<72 hours): Y N N/A  
Packing Material Used: *[Signature]*  
Lab Tracking #: **2828857**  
Radchem sample(s) screened (<500 cpm): Y N NA  
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#: \_\_\_\_\_  
Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC  
Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC  
Cooler 1 Corrected Temp: \_\_\_\_\_ oC  
Comments: *[Signature]*

Relinquished by/Company: (Signature) *[Signature]* **KEN AECOM**  
Date/Time: **08/22/22 @ 1430**

Received by/Company: (Signature) \_\_\_\_\_  
Date/Time: \_\_\_\_\_

Relinquished by/Company: (Signature) **CS Logistics**  
Date/Time: **8/22/22 0810**

Received by/Company: (Signature) *[Signature]*  
Date/Time: \_\_\_\_\_



# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40250229

**ALL SHADED AREAS are for LAB USE ONLY**

Company:

Billing Information:

Address:

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number:

State: County/City: Time Zone Collected:  
[ ] PT [ ] MT [ ] CT [ ] ET

Phone:  
Email:

Site/Facility ID #:

Compliance Monitoring?  
[ ] Yes [ ] No

Collected By (print):

Purchase Order #:  
Quote #:

DW PWS ID #:  
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice:  
[ ] Yes [ ] No

Sample Disposal:  
[ ] Dispose as appropriate [ ] Return  
[ ] Archive:  
[ ] Hold:

Rush:  
[ ] Same Day [ ] Next Day  
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day  
(Expedite Charges Apply)

Field Filtered (if applicable):  
[ ] Yes [ ] No  
Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW),  
Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
PB-10 (3'-4')	SL	G	/	/	08/19	1030		
PB-11 (1'-2')			/	/		0920		
PB-11 (2'-3')			/	/		0930		
PB-12 (1'-2')			/	/		0940		
PB-12 (3'-4')			/	/		0950		
PB-13 (1'-2')			/	/		1000		
PB-13 (3'-4')			/	/		1016		
PB-14 (1'-2')			/	/		1320		
PB-14 (3'-4')			/	/		1330		
PB-15 (1'-2')			/	/		1340		

Analyses									
VOCs	PAHs	8 GCRA Metals	PCBS						

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:  
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:  
3 of 4

Type of Ice Used: Wet Blue Dry None  
Packing Material Used: 0  
Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
Lab Tracking #: 2828855  
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
Temp Blank Received: Y N NA  
Therm ID#: \_\_\_\_\_  
Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC  
Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC  
Cooler 1 Corrected Temp: \_\_\_\_\_ oC  
Comments:

Relinquished by/Company: (Signature)  
Date/Time: 08/22/02 @ 1630

Received by/Company: (Signature)  
Date/Time:

MTJL LAB USE ONLY  
Table #:  
Acctnum:  
Template:  
Prelogin:

Relinquished by/Company: (Signature)  
Date/Time: 8/23/02 0810

Received by/Company: (Signature)  
Date/Time: 8/23/02 0810

PM:  
PB:

Trip Blank Received: Y N NA  
HCL MeOH TSP Other

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Date/Time:

Non Conformance(s): YES / NO  
Page: Page 131 of 135  
of: \_\_\_\_\_



# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40250229

ALL SHADED AREAS are for LAB USE ONLY

Company: \_\_\_\_\_ Billing Information: **COCs**

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

Report To: \_\_\_\_\_ Email To: \_\_\_\_\_

Copy To: \_\_\_\_\_ Site Collection Info/Address: \_\_\_\_\_

Customer Project Name/Number: **Other** State: **/** County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): \_\_\_\_\_ Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_

Collected By (signature): \_\_\_\_\_ Turnaround Date Required: \_\_\_\_\_ DW Location Code: \_\_\_\_\_

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: \_\_\_\_\_ [ ] Hold: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<b>PB-15 (4-5)</b>	<b>SL</b>	<b>G</b>			<b>08/19</b>	<b>1350</b>		

Container Preservative Type **										Lab Project Manager:	
Analyses										Lab Profile/Line:	
VOCs	PAHs	8 PCRA Metals	PCBs								Lab Sample Receipt Checklist:
											Custody Seals Present/Intact Y N NA
											Custody Signatures Present Y N NA
											Collector Signature Present Y N NA
											Bottles Intact Y N NA
											Correct Bottles Y N NA
											Sufficient Volume Y N NA
											Samples Received on Ice Y N NA
											VOA - Headspace Acceptable Y N NA
											USDA Regulated Soils Y N NA
							Samples in Holding Time Y N NA				
							Residual Chlorine Present Y N NA				
							Cl Strips: _____				
							Sample pH Acceptable Y N NA				
							pH Strips: _____				
							Sulfide Present Y N NA				
							Lead Acetate Strips: _____				
							LAB USE ONLY:				
							Lab Sample # / Comments:				

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signature Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: \_\_\_\_\_

Sample pH Acceptable Y N NA

pH Strips: \_\_\_\_\_

Sulfide Present Y N NA

Lead Acetate Strips: \_\_\_\_\_

LAB USE ONLY:

Lab Sample # / Comments:

**031**

Customer Remarks / Special Conditions / Possible Hazards: **4 of 4**

Type of Ice Used: Wet Blue Dry None

Packing Material Used: \_\_\_\_\_

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: **2825242**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: \_\_\_\_\_

Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC

Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC

Cooler 1 Corrected Temp: \_\_\_\_\_ oC

Comments:

Relinquished by/Company: (Signature) **[Signature]**

Relinquished by/Company: (Signature) **CS Logistics**

Relinquished by/Company: (Signature) \_\_\_\_\_

Date/Time: **08/24/22 @ 1630**

Date/Time: **08/22/22 0810**

Date/Time: \_\_\_\_\_

Received by/Company: (Signature) \_\_\_\_\_

Received by/Company: (Signature) **[Signature]**

Received by/Company: (Signature) \_\_\_\_\_

Date/Time: \_\_\_\_\_

Date/Time: **8/23/22 0810**

Date/Time: \_\_\_\_\_

MTJL LAB USE ONLY

Table #: \_\_\_\_\_

Acctnum: \_\_\_\_\_

Template: \_\_\_\_\_

Prelogin: \_\_\_\_\_

PM: \_\_\_\_\_

PB: \_\_\_\_\_

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **Page 132 of 135**

of: \_\_\_\_\_

Effective Date: 8/16/2022

Client Name: AECOM

Sample Preservation Receipt Form

Project # 40250229

All containers needing preservation have been checked and noted below:

Yes  No  N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)							
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU								SP5T	ZPLC	GN 1	GN 2			
001																	2		2																	2.5 / 5	
002																	2		2																	2.5 / 5	
003																	2		2																	2.5 / 5	
004																	2		2																	2.5 / 5	
005																	2		2																	2.5 / 5	
006																	2		2																	2.5 / 5	
007																	2		2																	2.5 / 5	
008																	1		2																	2.5 / 5	
009																	2		2																	2.5 / 5	
010																			2			1														2.5 / 5	
011																			2			1														2.5 / 5	
012																			2			1														2.5 / 5	
013																			2			1														2.5 / 5	
014																			2			1														2.5 / 5	
015																			2			1														2.5 / 5	
016																	2		2																	2.5 / 5	
017																	2		2																	2.5 / 5	
018																	2		2																		2.5 / 5
019																	2		2																		2.5 / 5
020																	2		2																		2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm) :  Yes  No  N/A

\*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG9U	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	



Sample Preservation Receipt Form  
Project #: 40250229

Client Name: AECOM

Pace Lab #	Glass						Plastic						Vials				Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC	GN 1	GN 2			
021																2			2																		2.5 / 5
022																2			2																		2.5 / 5
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027																			2																		2.5 / 5
028																2			2																		2.5 / 5
029																2			2																		2.5 / 5
030																			1			1															2.5 / 5
031																			1			1															2.5 / 5
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048																																					2.5 / 5

mt 8/23/22



### Sample Condition Upon Receipt Form (SCUR)

Project #: \_\_\_\_\_

Client Name: Aecom

WO#: **40250229**



40250229

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 120 Type of Ice:  Wet  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr: 0,0 / Corr: 0,0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 8/23/22 /Initials: mtf  
 Labeled By Initials: NR

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

mtf 8/23/22  
 Page 2 of 2  
3 3



## Data Validation Report

Project:	Riverpoint, Manitowoc Wisconsin		
Laboratory:	Pace Analytical - Green Bay		
SDGs:	40239666		
Analyses (Method):	VOCs (8260), PAHs, (8270E SIM), PCBs (8082A), RCRA Metals (6010D/7471)		
Validation Level:	Level 2		
Prepared by:	Lisa Smith (CEAC), AECOM	Completed on:	9/9/2022

The soil samples listed below were collected by AECOM on August 19, 2022.

Sample ID	QC Samples	Sample Date	Laboratory ID	Analyses
<b>Soil Samples:</b>				
PB-1 (1'-2')	MS/MSD for ICP Metals	8/19/2022	40250229001	VOCs, PAHs, RCRA Metals
PB-1 (3'-4')		8/19/2022	40250229002	VOCs, PAHs, RCRA Metals
PB-2 (1'-2')		8/19/2022	40250229004	VOCs, PAHs, RCRA Metals
PB-2 (3'-4')		8/19/2022	40250229005	VOCs, PAHs, RCRA Metals
PB-3 (1'-2')		8/19/2022	40250229006	VOCs, PAHs, RCRA Metals
PB-3 (4'-5')		8/19/2022	40250229007	VOCs, PAHs, RCRA Metals
PB-4 (1'-2')		8/19/2022	40250229008	VOCs, PAHs, RCRA Metals
PB-4 (2'-3')		8/19/2022	40250229009	VOCs, PAHs, RCRA Metals
PB-5 (1'-2')		8/19/2022	40250229010	PAHs, PCBs, RCRA Metals
PB-5 (3'-4')		8/19/2022	40250229011	PAHs, PCBs, RCRA Metals
PB-6 (1'-2')		8/19/2022	40250229012	PAHs, PCBs, RCRA Metals
PB-6 (2'-3')		8/19/2022	40250229013	PAHs, PCBs, RCRA Metals
PB-7 (1'-2')	MS/MSD for PCBs	8/19/2022	40250229014	PAHs, PCBs, RCRA Metals
PB-7 (3'-4')	MS/MSD for PAHs	8/19/2022	40250229015	PAHs, PCBs, RCRA Metals
PB-8 (1'-2')		8/19/2022	40250229016	VOCs, PAHs, RCRA Metals
PB-8 (3'-4')	MS/MSD for VOCs and Mercury	8/19/2022	40250229017	VOCs, PAHs, RCRA Metals
PB-9 (1'-2')		8/19/2022	40250229018	VOCs, PAHs, RCRA Metals
PB-9 (2'-3')		8/19/2022	40250229019	VOCs, PAHs, RCRA Metals
PB-10 (2'-3')		8/19/2022	40250229020	VOCs, PAHs, RCRA Metals
PB-10 (3'-4')		8/19/2022	40250229021	VOCs, PAHs, RCRA Metals
PB-11 (1'-2')		8/19/2022	40250229022	VOCs, PAHs, RCRA Metals
PB-11 (2'-3')		8/19/2022	40250229023	VOCs, PAHs, RCRA Metals
PB-12 (1'-2')		8/19/2022	40250229024	PAHs, RCRA Metals
PB-12 (3'-4')		8/19/2022	40250229025	PAHs, RCRA Metals

Sample ID	QC Samples	Sample Date	Laboratory ID	Analyses
PB-13 (1'-2')		8/19/2022	40250229026	PAHs, RCRA Metals
PB-13 (3'-4')		8/19/2022	40250229027	PAHs, RCRA Metals
PB-14 (1'-2')		8/19/2022	40250229028	VOCs, PAHs, RCRA Metals
PB-14 (3'-4')		8/19/2022	40250229029	VOCs, PAHs, RCRA Metals
PB-15 (1'-2')		8/19/2022	40250229030	PCBs, RCRA Metals
PB-15 (4'-5')		8/19/2022	40250229031	PCBs, RCRA Metals
<b>Field QC Blanks:</b>				
TB-01	Trip Blank	8/19/2022	40250229003	VOCs

Data validation activities were conducted with reference to:

- *National Functional Guidelines for Organic Superfund Methods Data Review* (November 2020)
- *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020)

The National Data Validation Functional Guidelines (NFGs) were modified to accommodate the non-CLP methodologies. In the absence of method-specific information, laboratory quality control (QC) limits were used as appropriate as the basis for validation actions.

**REVIEW ELEMENTS**

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Data completeness (chain-of-custody (CoC)/sample integrity)
- ✓ Sample Receipt and Holding Times
- ✗ Method blanks
- ✓ Trip Blanks
- ✓ Surrogate Recoveries
- ✓ Laboratory control sample (LCS) results
- ✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results
- NA Field duplicates
- ✓ Sample results and quantitation

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. The symbol (✗) indicates that a QC nonconformance resulted in the qualification of data. Any QC nonconformance that resulted in the qualification of data is discussed below. In addition, nonconformances or other issues that were noted during validation, but did not result in qualification of data, may be discussed for informational purposes only.

**SUMMARY**

Based on the results of the validation, the data are valid as reported and may be used for decision making purposes. Seven mercury results were qualified as nondetect (U) due to laboratory contamination. In addition, ten barium results were qualified as estimated biased high (J+) due to a high barium MS recovery. A detailed data validation discussion is provided below.

## DETAILED REVIEW

### Data Completeness

The data packages were reviewed for the following acceptance criteria for completeness:

- The CoCs were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody.
- The laboratory sample login sheet(s) were reviewed for issues potentially affecting sample integrity, including the condition of sample containers upon receipt at the laboratory.
- Completeness of analyses was verified by comparing the reported results to the CoC requests.

The following items are noted for informational purposes (and do not affect data usability):

- The collection time listed on the CoC for sample TB-01 was 08:00, while the sample was logged in with a collection time of 11:50.

### Sample Receipt and Holding Times

Samples were received at Pace Analytical intact, correctly preserved, and within the temperature criteria of  $\leq 6$  °C.

Samples were extracted and analyzed within the method holding times.

### Laboratory Method Blanks

Laboratory method blanks are analyzed to assess contamination from laboratory procedures. Method blanks were analyzed at the correct frequency. Analytes were not detected in the method blanks, with the exception that mercury was detected in the method blank for batch 424381 at a concentration of 0.014 J mg/kg. Associated sample concentrations within 5 times the blank concentration were qualified nondetect (U), as listed in Table 1.

### Trip Blanks

Trip blanks are used to assess contamination that occurs during sample shipment. One trip blank was associated with the samples collected. The trip blank results were nondetect.

### Surrogates

Surrogates are spiked into all field samples, field QC samples, and method QC samples and are used to evaluate accuracy. Surrogates are organic compounds similar to the target analyte(s) in chemical composition and behavior in the analytical process but are not usually found in environmental samples. Surrogate recoveries were within the laboratory's acceptance criteria, with the exception of the 2-Fluorobiphenyl surrogate for sample PB-10 (3'-4') that reported 0% recovery. The surrogates for this PAH sample were diluted out, and were not used to assess data quality.

### LCS Results

LCSs are analyzed to monitor accuracy and precision of the analytical method independent of matrix effects. The LCSs were analyzed at the correct frequency and were within the laboratory specified QC limits.

### MS/MSD Results

Matrix spikes are analyzed to determine the effects of sample matrix on the measurement methodology. MS/MSD results were reported from batch analysis. MS/MSD recoveries and relative percent differences (RPDs) were within acceptable limits, with the exceptions listed in the table below. Non-project MS/MSDs were not applicable and were not evaluated.

Spiked Sample	Compound	MS/MSD % Recovery	Recovery Limits	RPD	RPD Limit	Results Qualified
PB-1 (1'-2')	Barium	89/ <b>176</b>	75-125	<b>27</b>	20	Associated samples detects were qualified as estimated biased high (J+):
	Lead	<b>-548/-387</b>	75-125	<b>31</b>	20	The sample concentration was greater than 4 times the spike concentration. No qualifiers.

**Bold** indicates and exceedance

**Field Duplicate Results**

Field duplicates are collected to assess the overall precision of field sampling and laboratory analysis. A field duplicate was not associated with this data set.

**Sample Results and Quantitation**

Dilutions were required to bring the sample concentrations within the calibration range of the instrument.

Sample results were reviewed for correct methods, units, and reported analytes. No issues or discrepancies were found during this review. Results were reported down to the limit of detection (LOD).

**Validation Flags**

Sample results qualified due to validation actions are summarized in Table 1. All actions are described above. Data validation qualifiers override any assigned laboratory data flags. Results reported below the LOQ were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

**Table 1 – Data Validation Summary of Qualified Data**

Sample ID	Analyte	Units	Validation Qualifier <sup>1</sup>	Reason Code <sup>2</sup>
<b>Soil Samples:</b>				
PB-8 (3'-4') PB-10 (2'-3') PB-12 (3'-4') PB-13 (1'-2') PB-14 (3'-4') PB-15 (1'-2') PB-15 (4'-5')	Mercury	mg/kg	U	mb
PB-12 (1'-2') PB-12 (3'-4') PB-13 (1'-2') PB-13 (3'-4') PB-14 (1'-2') PB-14 (3'-4') PB-15 (1'-2') PB-15 (4'-5') PB-11 (1'-2') PB-11 (2'-3')	Barium	mg/kg	J+	ms

(1): Data Validation Qualifiers:

J: The analyte was positively identified. The associated numerical value is estimated (+/- indicate the direction of biased).

U: The analyte was analyzed for, but was not detected.

(2): Reason Codes:

- mb Method blank
- ms Matrix spike