



Georgia-Pacific Crossett LLC
Consumer Products

Crossett Paper Operations
100 Mill Supply Road
P.O. Box 3333
Crossett, AR 71635
(870) 415-6257

April 4, 2023

Loretta Carstens
Permit Engineer
Office of Water Quality
Arkansas Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

Reference: Georgia-Pacific Crossett LLC: Crossett Paper Operations
NPDES Permit # **AR0001210, AFIN 02-00013**

Dear Ms. Carstens:

Please find attached an updated Form 2C and Application Form PPS along with all supporting attachments for Georgia-Pacific Crossett LLC. These documents are intended to be an update to the application that was originally submitted on May 4, 2015. Additionally, GP would like to make the following requests for the permit once drafted:

Outfalls 101, 102 and 103 (Part I, Section A of current permit):

- Since November of 2019, GP no longer operates a pulp mill or bleach plant. The process equipment associated with internal Outfalls 101, 102 and 103 has been permanently shutdown and is in the process of demolition. These internal outfalls should be removed from the permit.

AOX and Dioxin monitoring (Part I, Section A of current permit):

- Adsorbable Organic Halogens (AOX) is currently monitored three times per week and 2,3,7,8-TCDD (Dioxin) is monitored once per quarter at Outfall 001. Because the facility no longer operates a pulp mill or bleach plant, we believe that the requirements in 40 CFR Part 430 are no longer applicable. Since the shutdown in 2019, AOX results have averaged 21 lbs/day. This is less than 1% of the current permit limit of 2146 lb/day. There have also been no quantifiable detections for dioxin during the term of the current permit. GP no longer produces or uses Chlorine Dioxide or Chlorine Dioxide containing substances in raw materials for our process or otherwise at our site, and it is not believed to be present in the current production processes. As such, we request that the AOX and Dioxin monitoring be removed from the permit.

BMP Plan Requirement (Part II, Condition 9)

- The mill has historically maintained a Best Management Practices (BMP) Plan for Spent Pulping Liquor Management, Spill Prevention and Control as required by Condition 9 of Part II of the NPDES permit and based on the requirements in 40 CFR Part 430.
- All operations and equipment covered by this plan have been decommissioned and demolished. Because the facility no longer operates a pulp mill or bleach plant, we believe that the requirements in 40 CFR Part 430 are no longer applicable. As such, we request that the Condition 9 be removed from the permit.

April 4, 2023

Dieldrin monitoring (Part I, Section A of current permit):

- Dieldrin limits were included in the last permit based on a single sampling detection data point in the last permit application. During the term of the current permit, we have had no quantifiable detections for dieldrin. GP does not use dieldrin or dieldrin-containing substances in any raw materials for our process or otherwise at our site. We request the removal of dieldrin permit limits from the renewed permit.

BOD and TSS monitoring (Part I, Section A of current permit):

- The frequency of monitoring for BOD and TSS at Outfall 001 and SMS 002 in the current permit is three times per week.
- The ratio of the long-term average of the mill's effluent data to the monthly average permit limit has been less than 25%. Based on the EPA memorandum dated April 19, 1996 "Interim Guidance for Performance-Based Reduction of NPDES Permit Monitoring Frequencies" Table 1, we are requesting a reduction of BOD and TSS sampling frequency to once per week. A summary of the data for the last two years is included.

Zinc and Copper monitoring (Part I, Section A of current permit):

- The frequency of monitoring for Zinc and Copper at Outfall 001 and SMS 002 in the current permit is once per month.
- The ratio of the long-term average of the mill's effluent data to the monthly average permit limit has been less than 25%. Based on the EPA memorandum dated April 19, 1996 "Interim Guidance for Performance-Based Reduction of NPDES Permit Monitoring Frequencies" Table 1, we are requesting a reduction of Zinc and Copper sampling frequency to once per 6 months. A summary of the data for the last two years is included.

Receiving Stream Color monitoring (Part I, Section A of current permit):

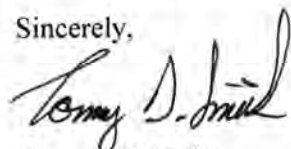
- The current permit requires monitoring of the change in receiving stream color at a frequency of once per quarter. Since the decommissioning of the pulping operations, the mill's effluent color, has decreased from approximately 250 PCU to 80 PCU. The material decrease in color combined with the reduced effluent volume has resulted in a visibly reduced color loading on the receiving stream. Accordingly, because the facility no longer operates a pulp mill, with the resulting minimization of color loading, we are requesting the removal of receiving stream color monitoring.

Whole Effluent Toxicity Limits (Part II, Section 15)

- The critical dilution listed in the current permit is 80% for effluent toxicity. We are requesting a re-evaluation of the critical dilution based on the reduced effluent flows from the mill. The effluent flow of 42.2 MGD, as reported in the May 4, 2015 permit application, has been reduced to approximately 12.6 MGD.

If you have any questions regarding this submittal, please feel free to contact Sarah Ross at (870) 415-6363 or sarah.ross@gapac.com or Rachel Johnson at (870) 415-6352 or rachel.johnson2@gapac.com.

Sincerely,

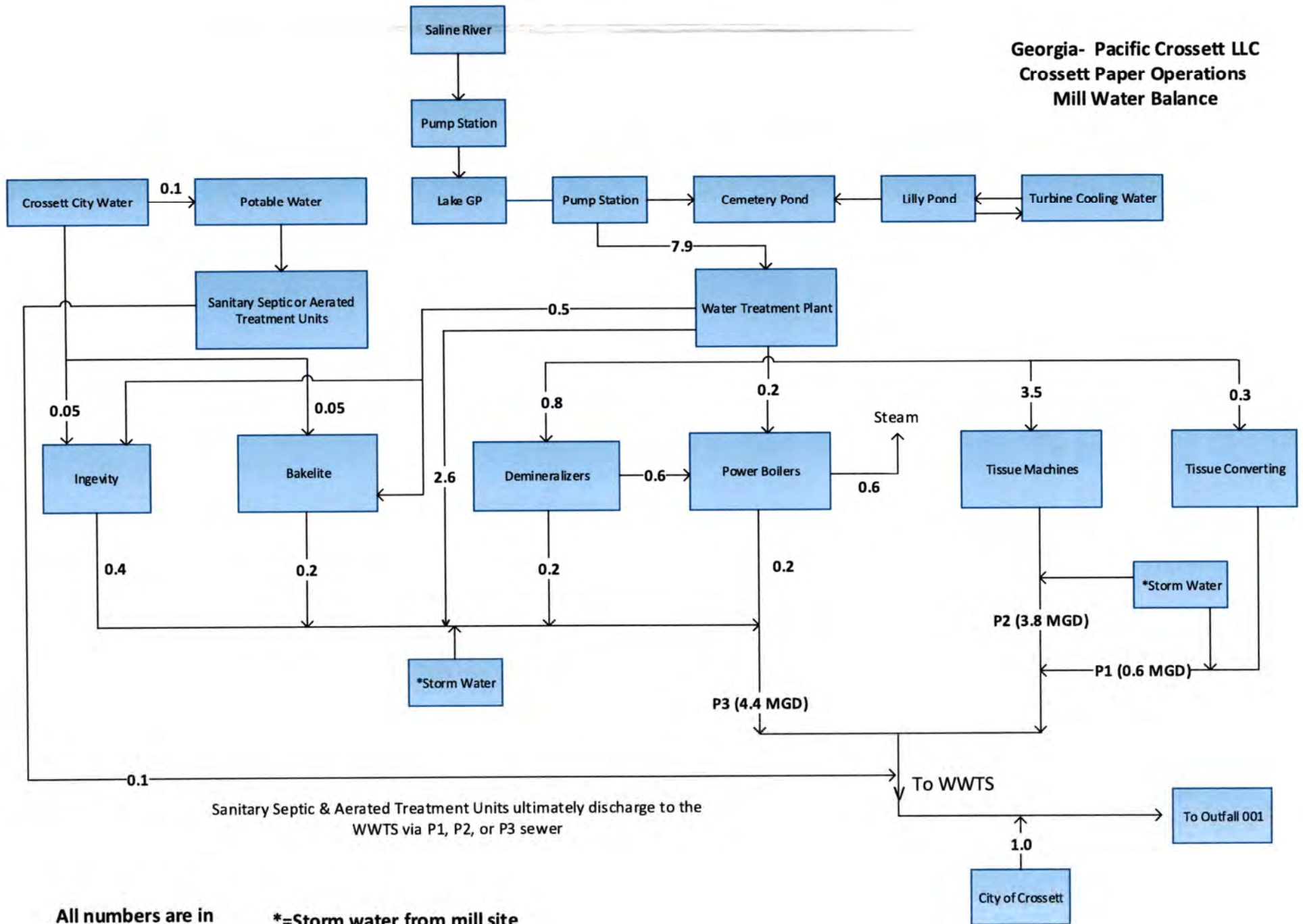


Tommy D. Smith
Vice President of Manufacturing

Average Daily Production

Operation, Product or Material	Quantity per Day	Unit of Measure
1. Georgia-Pacific Crossett LLC, AFIN #02-00013		
Tissue/Towel	642	Machine Dried TPD
2. Bakelite Chemicals LLC, AFIN #02-00028		
Spray Dry Resin	17	Tons/Day
Urea-Formaldehyde Concentrate	68	Tons/Day
Phenol Formaldehyde Resin	80	Tons/Day
Urea Formaldehyde Resin	58	Tons/Day
Wet Strength Resin	100	Tons/Day
3. Ingevity Arkansas LLC, AFIN #02-00339		
Rosin	75	Tons/Day
Tall Oil Fractionation	105	Tons/Day
Size	15	Tons/Day
Derivatives	27	Tons/Day

**Georgia- Pacific Crossett LLC
Crossett Paper Operations
Mill Water Balance**



**All numbers are in
Millions of gallons per
day (MGD)**

***=Storm water from mill site
collectively is 1.4 MGD**

[illegible]

Date	Flow	Outfall 001								SMS 002								
		BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
3/30/2021	15.9	10	1326	6	796													
3/31/2021	18.8	9.6	1505	6	941													
4/1/2021	15.7	9.0	1178	6	786													
4/2/2021	13.5																	
4/3/2021	12.0																	
4/4/2021	11.2																	
4/5/2021	11.0					10	0.9	2.1	0.2									
4/6/2021	10.7	10.3	919	16	1428													
4/7/2021	12.2	11.4	1160	14	1424													
4/8/2021	12.9	14.3	1538	12	1291													
4/9/2021	18.2																	
4/10/2021	24.7																	
4/11/2021	18.7																	
4/12/2021	15.0					10	1.3											
4/13/2021	13.8	11.7	1347	12	1381													
4/14/2021	14.1	11.4	1341	8	941													
4/15/2021	14.3	14.3	1705	12	1431													
4/16/2021	13.5																	
4/17/2021	13.3																	
4/18/2021	12.6																	
4/19/2021	12.0					10	1.0											
4/20/2021	12.1	6	605	10	1009													
4/21/2021	11.1	8	741	11	1018													
4/22/2021	10.9	13.4	1218	14	1273													
4/23/2021	23.8																	
4/24/2021	19.1																	
4/25/2021	16.1																	
4/26/2021	13.9					10	1.2											
4/27/2021	13.2	9.3	1024	18	1982													
4/28/2021	12.6	7.6	799	15	1576													
4/29/2021	11.8	11.9	1171	14	1378													
4/30/2021	10.7																	
5/1/2021	10.2																	
5/2/2021	14.7																	
5/3/2021	13.3					10	1.1	2.0	0.2									
5/4/2021	12.9	12.1	1302	28	3012													
5/5/2021	6.0	15.8	791	18	901													
5/6/2021	4.9	17.2	703	24	981													
5/7/2021	10.4																	
5/8/2021	6.3																	
5/9/2021	9.8																	
5/10/2021	13.2					20	2.2											
5/11/2021	21.4	27.2	4855	26	4640													
5/12/2021	27.9	28.8	6701	25	5817													
5/13/2021	22.4	24.9	4652	20	3736													
5/14/2021	18.9																	
5/15/2021	15.0																	
5/16/2021	13.1																	
5/17/2021	12.5					18	1.9											
5/18/2021	11.6	8	774	28	2709													
5/19/2021	11.7	8	781	24	2342													
5/20/2021	11.8	8.6	846	25	2460													
5/21/2021	11.4																	
5/22/2021	10.6																	
5/23/2021	10.0																	
5/24/2021	9.5					10	0.8											
5/25/2021	9.0	10	751	18	1351													
5/26/2021	10.9	9	818	18	1636													
5/27/2021	10.8	9.5	856	18	1621													
5/28/2021	12.3																	
5/29/2021	9.7																	
5/30/2021	7.9																	
5/31/2021	7.1					10	0.6	2.5	0.1									
6/1/2021	16.1	11	1477	25	3357													
6/2/2021	22.8	7.6	1445	21	3993													
6/3/2021	13.5	11.8	1329	22	2477													
6/4/2021	11.6																	
6/5/2021	11.3																	
6/6/2021	10.1																	
6/7/2021	12.8					18	1.9											
6/8/2021	13.9	8.4	974	16	1855													
6/9/2021	12.5	8.7	907	20	2085													
6/10/2021	28.4	11.3	2676	22	5211													
6/11/2021	19.2																	
6/12/2021	15.0																	
6/13/2021	13.5																	
6/14/2021	13.5					11	1.2	6.1	0.7									
6/15/2021	12.5	9.1	949	18	1877													
6/16/2021	11.3	8	754	14	1319													
6/17/2021	10.7	11.6	1035	16	1428													
6/18/2021	9.5																	
6/19/2021	10.4																	
6/20/2021	10.3																	
6/21/2021	11.9					18	1.8											
6/22/2021	12.5	9.8	1022	17	1772													
6/23/2021	11.6	10.5	1016	22	2128													
6/24/2021	10.7	25.6	2284	35	3123													
6/25/2021	10.1																	

Date	Outfall 001									SMS 002								
	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
6/26/2021	9.7																	
6/27/2021	9.1																	
6/28/2021	9.0					10	0.8											
6/29/2021	8.3	22.1	1530	38	2630													
6/30/2021	8.1	29.8	2013	48	3243													
7/1/2021	8.1	25.4	1716	47	3175													
7/2/2021	10.4																	
7/3/2021	9.6																	
7/4/2021	8.3																	
7/5/2021	7.9					10	0.7	1.9	0.1									
7/6/2021	8.0	28.6	1908	56	3736													
7/7/2021	9.7	36.5	2953	62.7	5072													
7/8/2021	10.5	23.4	2049	45	3941													
7/9/2021	8.6																	
7/10/2021	8.2																	
7/11/2021	8.1																	
7/12/2021	7.8					10	0.7											
7/13/2021	7.9	23.4	1542	42	2757													
7/14/2021	7.7	31.1	1997	53	3404													
7/15/2021	8.1	31.2	2108	61	4121													
7/16/2021	10.4																	
7/17/2021	12.9																	
7/18/2021	13.2																	
7/19/2021	23.8					10	2.0											
7/20/2021	20.1	23.5	3939	36	6035													
7/21/2021	15.8	26.3	3466	38	5007													
7/22/2021	13.2	33.2	3655	54	5945													
7/23/2021	11.7																	
7/24/2021	10.9									8.0								
7/25/2021	10.3									6.2								
7/26/2021	9.4					14	1.1			7.1					16	0.9	2.2	0.1
7/27/2021	9.3	23.65	1834	74	5740					7.8	6.6	429	14	911				
7/28/2021	9.2	19.7	1512	50	3836					11.1	6.1	565	18	1666				
7/29/2021	8.6	16.9	1212	30	2152					11.4	4.2	399	11	1046				
7/30/2021	8.5									11.1								
7/31/2021	7.9									10.4								
8/1/2021	8.1									9.8								
8/2/2021	11.9					10	1.0	1.7	0.2	13.5								
8/3/2021	9.9	6.5	533	10	826					15.5	3.3	427	9	1163				
8/4/2021	8.0	7.1	474	7	467					14.7	4.7	576	14	1716				
8/5/2021	7.8	6.7	436	6	390					13.2	5.6	616	13	1431				
8/6/2021	7.1									14.8								
8/7/2021	6.9									11.6								
8/8/2021	7.1									9.7								
8/9/2021	6.9					10	0.6			8.9					47	3.5	2.9	0.2
8/10/2021	6.6	5.7	314	8	440					7.8	5.6	364	25	1626				
8/11/2021	6.3	6	315	8	420					7.4	11.1	685	26	1605				
8/12/2021	6.1	7.2	366	6	305					6.2	12.0	620	37	1913				
8/13/2021	6.1									5.4								
8/14/2021	10.1									7.3								
8/15/2021	12.3									11.4								
8/16/2021	10.9					10	0.9			12.9								
8/17/2021	9.1	10.3	782	14	1063					12.8	14.7	1569	32	3416				
8/18/2021	10.4	13.8	1197	17	1475					12.9	13.0	1399	29	3120				
8/19/2021	13.3	14.5	1608	18	1997					15.6	10.5	1366	21	2732				
8/20/2021	12.9									16.5								
8/21/2021	11.8									16.3								
8/22/2021	11.2									15.2								
8/23/2021	10.2					16	1.4			14.5								
8/24/2021	9.3	12.7	961	21	1629					14.7	11.4	1398	12	1471				
8/25/2021	9.0	18.9	1419	30	2252					14.2	12.2	1445	12	1421				
8/26/2021	8.4	23.3	1632	31	2172					11.1	10.7	991	15	1389				
8/27/2021	8.0									11.8								
8/28/2021	7.1									9.5								
8/29/2021	7.2									9.7								
8/30/2021	7.3					10	0.6			8.0								
8/31/2021	6.9	22	1266	25	1439					7.4	11.0	679	14	864				
9/1/2021	6.7	20	1118	22	1229					6.9	22	1266	12	691				
9/2/2021	7.1	31	1836	21	1243					6.5	16	867	12	651				
9/3/2021	6.2									5.6								
9/4/2021	6.0									5.0								
9/5/2021	7.0									4.9								
9/6/2021	7.2	17	1021	15	901	12	0.7	2.1	0.1	4.7	17	666	19	746				
9/7/2021	6.0	19	951	22	1101					4.4	15	560	16	587				
9/8/2021	5.9	12	590	20	984					4.0	14	467	24	801				
9/9/2021	5.9									3.6								
9/10/2021	5.7									3.3								
9/11/2021	5.6									3.3								
9/12/2021	6.0									3.0								
9/13/2021	6.2	24	1241	34	1758	10	0.5			2.8	11	257	23	537	22	0.5	2.6	0.1
9/14/2021	6.2	20	1034	32	1655					3.1	11	284	12	310				
9/15/2021	6.4	11	587	22	1174					3.5	8.2	239	18	525				
9/16/2021	6.5									3.5								
9/17/2021	9.1									4.7								
9/18/2021	9.8									6.3								
9/19/2021	9.6									6.8								
9/20/2021	9.8	15	1226	37	3024	10	0.8			7.0	10	584	11	642				
9/21/2021	10.0	16	1334	35	2919					8.4	10	701	16	1121				

Date	Outfall 001									SMS 002								
	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
9/22/2021	8.7	13	943	24	1741					9.8	12	981	14	1144				
9/23/2021	7.8									24.8								
9/24/2021	7.3									18.9								
9/25/2021	6.8									10.4								
9/26/2021	6.6									14.7								
9/27/2021	7.1	21	1243	27	1599	10	0.6			8.8	14	1027	10	734				
9/28/2021	8.4	14	981	28	1962					7.9	8.4	553	15	988				
9/29/2021	8.7	7.7	559	44	3193					7.7	7.9	507	11	706				
9/30/2021	8.7									7.7								
10/1/2021	8.8									7.8								
10/2/2021	17.0									10.0								
10/3/2021	10.6									11.3								
10/4/2021	11.0	7.3	670	23	2110	13	1.2	1.9	0.2	11.7	3.8	370	14	1363	25	2.4	3.8	0.4
10/5/2021	10.9	71	6454	26	2364					18.6	13	2019	12	1863				
10/6/2021	9.6	13	1041	18	1441					13.7	7	798	10	1140				
10/7/2021	8.5									14.1								
10/8/2021	8.0									12.8								
10/9/2021	7.6									10.2								
10/10/2021	7.6									8.7								
10/11/2021	7.2	13	781	24	1441	10	0.6			7.9	10	662	18	1192				
10/12/2021	7.5	21	1314	17	1063					7.6	9.3	592	14	891				
10/13/2021	6.9	24	1381	29	1669					7.6	20	1274	17	1083				
10/14/2021	7.5									7.4								
10/15/2021	6.9									8.2								
10/16/2021	6.3									6.1								
10/17/2021	6.3									5.2								
10/18/2021	6.3	84	4414	17	893	10	0.5			5.0	75	3115	18	665				
10/19/2021	6.5	18	976	24	1301					5.1	13	553	18	766				
10/20/2021	6.8	19	1078	14	794					5.9	15	736	14	687				
10/21/2021	7.0									5.6								
10/22/2021	7.4									5.0								
10/23/2021	8.3									5.2								
10/24/2021	9.0									5.2								
10/25/2021	7.8	14	911	23	1496	10	0.7			5.3	15.0	662	13	574				
10/26/2021	7.9	18	1186	24	1581					5.1	12.0	512	18	769				
10/27/2021	10.5	7.3	639	29	2540					6.7	29.0	1620	18	1006				
10/28/2021	10.7									8.4								
10/29/2021	9.4									8.5								
10/30/2021	8.7									8.6								
10/31/2021	8.4									10.3								
11/1/2021	8.4	12	841	19	1331	10	0.7	2.7	0.2	11.4	9.0	856	16	1521				
11/2/2021	8.3	22	1523	18	1246					8.8	10	734	16	1174	18	1.3	5.0	0.4
11/3/2021	9.8	17	1389	19	1553					8	6.9	460	17	1134				
11/4/2021	9.1									8.5								
11/5/2021	8.4									8.2								
11/6/2021	9.7									7.9								
11/7/2021	8.9									7.8								
11/8/2021	8.7	14	1016	17	1233	12	0.9			8.2	18	1231	16	1094				
11/9/2021	8.9	9.1	675	15	1113					7.7	14	899	13	835				
11/10/2021	9.0	17	1276	14	1051					7.8	12	781	16	1041				
11/11/2021	10.0									9.7								
11/12/2021	4.2									9.1								
11/13/2021	4.4									8.0								
11/14/2021	5.5									7.1								
11/15/2021	3.1	8.2	212	14	362	10	0.3			6.7	9.2	514	19	1062				
11/16/2021	7.0	13	759	10	584					6.4	15	801	16	854				
11/17/2021	5.2	9.5	412	12	520					5.6	8.6	402	23	1074				
11/18/2021	5.8									4.7								
11/19/2021	5.7									4.3								
11/20/2021	7.7									4.4								
11/21/2021	9.3	11	853	15	1163					6.1	8.5	432	14	712				
11/22/2021	9.5	26	2060	12	951					11.5	22	2110	18	1726				
11/23/2021	8.9	26	1930	11	816	10	0.7			17.3	17	2453	17	2453				
11/24/2021	9.1									7.9								
11/25/2021	10.6									9.0								
11/26/2021	9.9									34.3								
11/27/2021	10.1									11.8								
11/28/2021	10.3									10.2								
11/29/2021	10.3	5.2	447	10	859	10	0.9			10.1	8.9	750	14	1179				
11/30/2021	10.4	3.3	286	10	867					9.8	6.6	539	13	1063				
12/1/2021	10.4	2.8	243	10	867					9.8	5.9	482	11	899				
12/2/2021	10.5									9.9								
12/3/2021	10.8									9.8								
12/4/2021	10.9									9.3								
12/5/2021	10.8									9.0								
12/6/2021	11.7	5.4	527	10	976	18	1.8	2.4	0.2	9.2	5.3	407	15	1151	32	2.5	2.5	0.2
12/7/2021	10.5	2.3	201	10	876					17.5	6.1	890	11	1605				
12/8/2021	9.8	5.1	417	10	817					20.9	7.8	1380	20	3486				
12/9/2021	9.9									24.8								
12/10/2021	10.6									22.6								
12/11/2021	11.5									22.4								
12/12/2021	10.4									19.9								
12/13/2021	9.8	2.6	213	10	817	10	0.8			21.4	7.5	1339	23	4105				
12/14/2021	10.6	2.0	177	10	884					22.4	6.1	1140	22	4110				
12/15/2021	10.1	3.3	278	10	842					10.2	21.0	1786	25	2127				
12/16/2021	9.8									8.4								
12/17/2021	9.4									8.8								
12/18/2021	11.1									10.7								

Date	Outfall 001									SMS 002								
	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
12/19/2021	10.4	4.4	382	10	867					11.5	6.6	633	26	2494				
12/20/2021	10.2	2.4	204	10	851	10	0.9			11.8	6.3	620	26	2559				
12/21/2021	9.7	2.0	162	10	809					11.4	2.8	266	17	1616				
12/22/2021	9.3									11.3								
12/23/2021	9.4									10.7								
12/24/2021	9.2									10.2								
12/25/2021	9.3									10.3								
12/26/2021	9.7	4.3	348	10	809					10.2	9.3	791	20	1701				
12/27/2021	9.6	4.5	360	10	801	10	0.8			9.9	8.9	735	22	1816				
12/28/2021	9.6	3.4	272	10	801					9.5	9.7	769	21	1664				
12/29/2021	11.4									10.2								
12/30/2021	12.8									11.2								
12/31/2021	11.8									11.9								
1/1/2022	11.9									12.5								
1/2/2022	12.4									13.3								
1/3/2022	12.3	4.8	492	10	1026	10	1.0	4.7	0.5	13.1	9.2	1005	20	2185	36	3.9	2.7	0.3
1/4/2022	16.9	5.8	817	10	1409					12.9	9.0	868	25	2690				
1/5/2022	11.7	2.1	205	10	976					12.3	5.6	574	28	2872				
1/6/2022	11.1									12.2								
1/7/2022	10.1									11.2								
1/8/2022	10.5									11.0								
1/9/2022	10.2									11.6								
1/10/2022	9.1	2	152	10	759	10	0.8			10.5	7.4	648	19	1664				
1/11/2022	9.1	3.8	288	10	759					10.2	4.3	366	13	1106				
1/12/2022	9.1	2	152	10	759					9.5	7.6	602	13	1030				
1/13/2022	9.1									9.7								
1/14/2022	9.0									9.5								
1/15/2022	9.4									9.9								
1/16/2022	9.5									9.4								
1/17/2022	9.3	2	155	10	776	10	0.8			9.1	9.4	713	11	835				
1/18/2022	9.4	2	157	10	784					8.9	7.7	572	15	1113				
1/19/2022	11.0	4.7	431	10	917					11.2	7.1	663	22	2055				
1/20/2022	11.3									7.7								
1/21/2022	10.6									5.1								
1/22/2022	10.4									6.6								
1/23/2022	10.4									7.5								
1/24/2022	10.4	4.1	356	10	867	10	0.9			8.4	7.7	539	16	1121				
1/25/2022	10.1	4.6	387	10	842					8.8	8.8	646	21	1541				
1/26/2022	9.8	9.5	776	10	817					8.6	7.2	516	19	1363				
1/27/2022	9.9									8.8								
1/28/2022	9.9									8.9								
1/29/2022	9.9									8.5								
1/30/2022	9.7									8.6								
1/31/2022	9.8	6.4	523	10	817	10	0.8			8.2	11.0	752	18	1231				
2/1/2022	10.7									9.1								
2/2/2022	11.1	7.0	648	13	1203					10.4	14.0	1214	27	2342				
2/3/2022	17.6	6.0	881	10	1468					15.7	11.0	1440	20	2619				
2/4/2022	16.5									20.4								
2/5/2022	13.6									20.7								
2/6/2022	12.3									20.0								
2/7/2022	12.0	9.0	901	10	1001	10	1.0	3.8	0.4	18.5	14.0	2160	12	1851	22	3.4	2.3	0.4
2/8/2022	11.9	7.3	724	10	992					17.1	6.1	870	12	1711				
2/9/2022	11.4	6.3	599	2	190					16.0	6.0	801	11	1468				
2/10/2022	11.3									14.9								
2/11/2022	11.2									13.8								
2/12/2022	11.4									12.9								
2/13/2022	10.8									12.1								
2/14/2022	11.0	8.1	743	10	917	10	0.9			12.5	7.3	761	10	1043				
2/15/2022	10.9	9.0	818	10	909					11.4	8.9	846	13	1236				
2/16/2022	11.8	6.7	659	10	984					10.8	7.8	703	13	1171				
2/17/2022	12.5									12.9								
2/18/2022	11.2									13.5								
2/19/2022	10.6									13.4								
2/20/2022	10.9									12.3								
2/21/2022	12.7	8.6	911	11	1165	12	1.3			13.0	6.7	726	16	1735				
2/22/2022	12.0	6.2	820	10	1001					13.8	7.0	806	18	2072				
2/23/2022	11.6	8	774	11	1064					14.5	10.0	1209	17	2056				
2/24/2022	11.4									14.2								
2/25/2022	11.3									14.0								
2/26/2022	18.3									16.6								
2/27/2022	22.5									30.6								
2/28/2022	17.6	18	2642	10	1468	10	1.5											
3/1/2022	16.3	13	1767	10	1359													
3/2/2022	15.3	12	1531	10	1276													
3/3/2022	14.6																	
3/4/2022	14.0																	
3/5/2022	14.2																	
3/6/2022	14.2																	
3/7/2022	14.4	12	1441	10	1201	17	2.0	2.9	0.3									
3/8/2022	16.5	7.7	1060	10	1376													
3/9/2022	16.5	9.7	1335	10	1376													
3/10/2022	15.5																	
3/11/2022	15.6																	
3/12/2022	13.9																	
3/13/2022	14.0																	
3/14/2022	14.2	15	1776	16	1895	11	1.3											
3/15/2022	14.9	11	1367	12	1491													
3/16/2022	14.3									16.1								

[illegible]

Date	Outfall 001									SMS 002								
	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
6/13/2022	14.0	13	1518	40	4670	19	2.2											
6/14/2022	11.8	16	1575	47	4625													
6/15/2022	10.4	15	1301	38	3296													
6/16/2022	10.0																	
6/17/2022	10.4																	
6/18/2022	10.5																	
6/19/2022	10.1																	
6/20/2022	10.1	13	1095	28	2359	10	0.8											
6/21/2022	9.7	19	1537	36	2912													
6/22/2022	9.3	19	1474	32	2482													
6/23/2022	9.7																	
6/24/2022	9.0																	
6/25/2022	8.6																	
6/26/2022	10.3																	
6/27/2022	9.5	15	1188	10	792	10	0.6											
6/28/2022	8.2	9.0	615	10	684													
6/29/2022	7.8	10	651	10	651													
6/30/2022	7.8																	
7/1/2022	7.6																	
7/2/2022	11.2																	
7/3/2022	21.1																	
7/4/2022	17.2	10	1434	17	2439	10	1.4	8.3	1.2									
7/5/2022	14.1	12	1411	21	2469													
7/6/2022	12.1	13	1312	38	3835													
7/7/2022	10.5																	
7/8/2022	9.3																	
7/9/2022	9.3																	
7/10/2022	8.5																	
7/11/2022	13.1	12	1311	15	1639	10	1.1											
7/12/2022	11.8	12	1181	10	984													
7/13/2022	10.6	7.0	619	10	884													
7/14/2022	11.1																	
7/15/2022	10.6																	
7/16/2022	9.8																	
7/17/2022	9.2																	
7/18/2022	8.8	7.7	565	10	734	15	1.1											
7/19/2022	8.3	6.1	422	10	692													
7/20/2022	7.0	7.6	444	10	584													
7/21/2022	8.5																	
7/22/2022	6.2									5.8								
7/23/2022	6.2									12.5								
7/24/2022	6.1									15.2								
7/25/2022	6.3	12	631	21	1103	10	0.5			3.9	2.6	85	12	392	30	1.0	5.7	0.2
7/26/2022	6.2	13	672	16	827					2.5	6.5	136	12	251				
7/27/2022	6.1	10	509	21	1068					2.3	6.5	126	18	348				
7/28/2022	6.0									2.2								
7/29/2022	10.6									2.2								
7/30/2022	15.0									3.8								
7/31/2022	14.0									6.9								
8/1/2022	11.8	7	689	17	1673	13	1.3	4.2	0.4	6.7	7.3	408	21	1173	24	1.3	4.2	0.2
8/2/2022	10.4	8.4	729	18	1561					6.8	6.9	391	18	1021				
8/3/2022	9.7	8.5	688	18	1456					6.7	6.9	386	15	838				
8/4/2022	8.6									6.7								
8/5/2022	8.3									6.5								
8/6/2022	8.1									6.2								
8/7/2022	7.9									5.8								
8/8/2022	7.9	11	725	21	1384	10	0.7			5.7	8.7	414	24	1141				
8/9/2022	8.9	15	1113	33	2449					6.1	6.8	346	27	1374				
8/10/2022	9.1	14	1063	24	1821					7.4	7.1	438	32	1975				
8/11/2022	8.7									8.6								
8/12/2022	8.7									8.3								
8/13/2022	7.9									7.9								
8/14/2022	7.4									7.2								
8/15/2022	7.4	22	1358	41	2530	10	0.6			6.8	13	737	23	1304				
8/16/2022	7.1	20	1184	35	2072					6.5	7.7	417	18	976				
8/17/2022	7.1	15	888	38	2250					6.0	8.0	400	19	951				
8/18/2022	8.1									6.9								
8/19/2022	8.1									7.3								
8/20/2022	7.8									7.0								
8/21/2022	8.7									6.9								
8/22/2022	16.0	26	3469	26	3469	10	1.3			15.0	20	2502	24	3002				
8/23/2022	32.9	16	4390	29	7957					41.7	6.1	2121	13	4521				
8/24/2022	26.6	21	4659	32	7099					61.5	12	6155	10	5129				
8/25/2022	21.8									66.4								
8/26/2022	16.4									63.3								
8/27/2022	14.9									56.6								
8/28/2022	13.5									48.6								
8/29/2022	12.8	18	1922	36	3843	10	1.1			45.8	6.5	2483	11	4202				
8/30/2022	12.0	23	2302	35	3503					37.2	7.7	2389	10	3102				
8/31/2022	11.4	22	2092	36	3423					32.7	6.6	1800	10	2727				
9/1/2022	10.2									27.7								
9/2/2022	9.8									24.6								
9/3/2022	9.7									22.4								
9/4/2022	9.3									21.1								
9/5/2022	8.8	6.6	484	10	734	18	1.3	7.0	0.5	19.1	8.2	1306	12	1912	21	3.3	1.7	0.3
9/6/2022	8.2	15	1026	15	1026					17.5	36	5254	10	1460				
9/7/2022	8.6	7.3	524	10	717					15.4	8	771	11	1413				
9/8/2022	6.0									14.0								

Date	Outfall 001									SMS 002								
	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day
9/9/2022	8.4									12.6								
9/10/2022	7.6									11.9								
9/11/2022	7.3									13.0								
9/12/2022	6.8	4.9	278	19	1078	10	0.6			13.1	7.9	863	38	4152				
9/13/2022	7.2	6	360	10	600					11.7	7.1	693	11	1073				
9/14/2022	6.8	8.3	471	10	567					11.3	7.3	688	13	1225				
9/15/2022	7.2									9.5								
9/16/2022	7.7									8.9								
9/17/2022	8.3									8.4								
9/18/2022	8.4									7.6								
9/19/2022	8.6	8.2	588	10	717	10	0.7			7.2	8.4	504	16	961				
9/20/2022	8.8	7.7	565	10	734					8.7	7	391	13	726				
9/21/2022	9.0	38	2852	10	751					7.2	21	1261	10	600				
9/22/2022	8.8									6.9								
9/23/2022	8.5									6.2								
9/24/2022	8.7									6.2								
9/25/2022	8.6									6.2								
9/26/2022	8.3	4	277	10	692	10	0.7			6.3	6.6	347	12	631				
9/27/2022	8.2	5.1	349	10	684					5.8	6.2	300	11	532				
9/28/2022	8.2	6.4	438	10	684					5.3	6.9	305	10	442				
9/29/2022	7.8									5.0								
9/30/2022	7.5									4.9								
10/1/2022	7.6									4.9								
10/2/2022	7.2									4.6								
10/3/2022	7.1	13	770	13	770	10	0.6			4.9	6.7	233	10	409				
10/4/2022	6.8	24	1361	21	1191					4.6	5.8	223	10	384				
10/5/2022	6.9	11	633	10	575					4.4	5.7	209	10	367				
10/6/2022	6.9									4.5								
10/7/2022	6.8									4.3								
10/8/2022	6.3									4.6								
10/9/2022	6.3									4.3								
10/10/2022	6.5	6.0	325	10	542	10	0.5	4.8	0.3	4.0	6.8	227	10	334				
10/11/2022	6.8	17	964	14	794					4.0	6.0	200	10	334				
10/12/2022	7.4	8.8	543	10	617					4.2	7.2	252	10	350	10	0.4	1.7	0.1
10/13/2022	7.5									5.2								
10/14/2022	7.2									5.1								
10/15/2022	7.3									5.0								
10/16/2022	7.2									5.2								
10/17/2022	6.5	6.6	358	10	542	10	0.5			5.1	5.5	234	10	425				
10/18/2022	6.1	14	712	12	610					4.9	4.8	196	10	409				
10/19/2022	6.0	6.9	345	10	500					4.2	5.7	200	10	350				
10/20/2022	6.5									4.2								
10/21/2022	7.0									4.5								
10/22/2022	7.3									4.5								
10/23/2022	7.5									4.6								
10/24/2022	7.8	8.5	553	10	651	10	0.7			4.3	9.6	344	18	646				
10/25/2022	8.3	12	831	17	1177					5.2	5.9	256	15	651				
10/26/2022	7.8	16	1041	26	1691					5.1	5.7	242	13	553				
10/27/2022	7.7									5.0								
10/28/2022	8.2									5.3								
10/29/2022	15.1									10.3								
10/30/2022	12.7									11.6								
10/31/2022	11.3	8.6	810	12	1131	10	0.9			11.6	6.8	658	12	1161				
11/1/2022	11.0	7.3	670	12	1101					11.2	5.5	514	13	1214				
11/2/2022	10.2	9.7	825	15	1276					11.1	6.9	639	14	1296				
11/3/2022	10.4									10.9								
11/4/2022	12.9									12.3								
11/5/2022	21.7									19.3								
11/6/2022	18.4									22.1								
11/7/2022	16.3	7.1	965	10	1359	10	1.4	6.0	0.8	22.8	8.1	1540	14	2662	10	1.9	1.9	0.4
11/8/2022	15.5	7.7	995	10	1293					22.1	6.9	1272	16	2949				
11/9/2022	13.0	14	1518	10	1084					20.6	7.6	1306	17	2921				
11/10/2022	12.0									18.9								
11/11/2022	12.6									18.1								
11/12/2022	12.5									17.0								
11/13/2022	12.1									15.4								
11/14/2022	12.7	7.2	763	10	1059	10	1.1			14.4	7.8	937	12	1441				
11/15/2022	12.9	9.7	1044	10	1076					15.9	6.6	875	11	1459				
11/16/2022	12.1	7.8	787	10	1009					13.6	6.8	771	10	1134				
11/17/2022	11.8									12.6								
11/18/2022	10.7									12.2								
11/19/2022	9.9									11.8								
11/20/2022	9.1	8.2	622	10	759					11.0	6.1	560	10	917				
11/21/2022	8.2	11	752	14	957	10	0.7			9.9	5.9	487	10	826				
11/22/2022	9.0	6.6	495	10	751					9.5	5.7	452	10	792				
11/23/2022	9.6									9.2								
11/24/2022	14.5									12.4								
11/25/2022	16.6									15.3								
11/26/2022	16.5									17.1								
11/27/2022	15.1									17.5								
11/28/2022	14.2	5.6	663	10	1184	11	1.3			17.1	4.7	670	10	1426				
11/29/2022	17.5	7.8	1138	10	1460					19.7	5.3	871	11	1807				
11/30/2022	20.0	5.8	967	10	1668					25.7	5.8	1243	11	2358				
12/1/2022	18.0									27.3								
12/2/2022	16.9									26.5								
12/3/2022	16.1									25.5								
12/4/2022	15.6									23.5								
12/5/2022	15.4	9.2	1182	14	1798	27	3.5	4.4	0.6	23.7	9.0	1779	10	1877	10	2.0	2.1	0.4

Outfall 001										SMS 002									
Date	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	Flow	BOD mg/l	BOD lb/day	TSS mg/l	TSS lb/day	Zinc ug/l	Zinc lb/day	Copper ug/l	Copper lb/day	
12/6/2022	14.9	8.1	1007	10	1243					22.1	6.8	1253	10	1843					
12/7/2022	14.1	9.5	1117	16	1882					20.6	7.4	1271	11	1890					
12/8/2022	13.8									19.5									
12/9/2022	12.5									19.1									
12/10/2022	12.9									17.9									
12/11/2022	12.1									19.0									
12/12/2022	11.9	2.0	198	10	992	10	1.0			17.9	4.3	642	10	1493					
12/13/2022	16.8	9.1	1275	14	1962					18.8	6.5	1019	12	1882					
12/14/2022	18.9	7.0	1103	15	2364					27.0	4.6	1036	15	3378					
12/15/2022	15.9									29.8									
12/16/2022	14.0																		
12/17/2022	12.0																		
12/18/2022	11.2																		
12/19/2022	11.5	3.3	317	10	959	10	1.0												
12/20/2022	11.0	7.1	651	14	1284														
12/21/2022	10.7	2.8	250	11	982														
12/22/2022	10.7																		
12/23/2022	11.0																		
12/24/2022	11.2																		
12/25/2022	12.3																		
12/26/2022	13.1	4.4	481	19	2076	17	1.9												
12/27/2022	13.5	6.8	766	20	2252														
12/28/2022	12.7	4.5	477	20	2118														
12/29/2022	18.5																		
12/30/2022	26.7																		
12/31/2022	24.1																		
Month Avg Permit Limit	64.4	24155.4	119.6	37720	194.58	73.02	18.75	7.04					18000	194.58	73.02	18.75	7.04		
Oct-July Monthly Avg Limit											8000								
August Monthly Avg Limit											7262								
Sept Monthly Avg Limit											5911								
Mill Average	12.4	1272.8	17.8	1777	12.34	1.29	3.72	0.39					1561	24.27	2.94	2.90	0.29		
October-July Avg											930								
August Avg											1197								
September Avg											832								
Ratio: Long Term Avg/Limit	19%	5%	15%	5%	6%	2%	20%	6%					9%	12%	4%	15%	4%		
Oct-July Ratio											12%								
August Ratio											16%								
September Ratio											14%								

EPA Identification Number ARD035466648		NPDES Permit Number AR0001210		Facility Name Georgia-Pacific Crossett LLC		Form Approved 03/05/19 OMB No. 2040-0004	
Form 2C NPDES			U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS				
SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))							
Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.					
		Outfall Number	Receiving Water Name	Latitude			Longitude
		001	Ouachita River via SMS 002	33°	6'	45" N	92° 2' 17" W
		SMS 002	Ouachita River	33°	2'	0" N	92° 4' 24" W
				°	'	"	° ' "
SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))							
Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.) ☒ Yes ☐ No					
SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))							
Average Flows and Treatment	3.1	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.					
		Outfall Number 001 & 002					
		Operations Contributing to Flow					
		Operation	Average Flow				
		Georgia-Pacific Crossett LLC, AFIN#02-00013	6.8 mgd				
		Bakelite Chemicals LLC, AFIN#02-00028	0.2 mgd				
		Ingevity Arkansas LLC, AFIN#02-00339	0.4 mgd				
		City of Crossett (POTW), AFIN#02-00033	1.0 mgd				
		Treatment Units					
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge			
		Screening	1T				
		Primary Clarifier and Sludge Dewatering	1U 5R 5Q	Sludge Pond Closure or Landfill			
	Equalization, Chemical Conditioning and pH adjustment	5E 2K					
	Aerated lagoon with solids settling and dredged solid basin	3B 1U					

EPA Identification Number ARD035466648		NPDES Permit Number AR0001210		Facility Name Georgia-Pacific Crossett LLC		Form Approved 03/05/19 OMB No. 2040-0004	
---	--	----------------------------------	--	---	--	---	--

Average Flows and Treatment Continued	3.1 cont.	**Outfall Number** _____					
		Operations Contributing to Flow					
		Operation			Average Flow		
					mgd		
					mgd		
					mgd		
					mgd		
		Treatment Units					
		Description (include size, flow rate through each treatment unit, retention time, etc.)			Code from Table 2C-1		Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		Outfall Number _____					
		Operations Contributing to Flow					
		Operation			Average Flow		
					mgd		
					mgd		
					mgd		
					mgd		
		Treatment Units					
		Description (include size, flow rate through each treatment unit, retention time, etc.)			Code from Table 2C-1		Final Disposal of Solid or Liquid Wastes Other Than by Discharge

System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? ☐ Yes ☒ No → SKIP to Section 4.	
	3.3	Have you attached a list that identifies each user of the treatment works? ☐ Yes ☐ No	

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC
---	----------------------------------	---

Form Approved 03/05/19
OMB No. 2040-0004

SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? ☐ Yes ☒ No → SKIP to Section 5.						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
		Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? ☒ Yes ☐ No → SKIP to Section 6.		
	5.2	Provide the following information on applicable ELGs.		
		ELG Category	ELG Subcategory	Regulatory Citation
		Pulp, Paper and Paperboard	Tissue from purchased pulp	40 CFR 430 Subpart L
		Organic Chemical	Various Resins (See Attached)	40CFR414SubpartsE,F&H
		Gum&Wood Chemicals	Tall Oil Fractionation & Rosin Size/Derivatives	40 CFR 454 Subpart D
Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? ☒ Yes ☐ No → SKIP to Section 6.		
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.		
		Outfall Number	Operation, Product, or Material	Quantity per Day
		001&002	See Attached	

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC
---	----------------------------------	---

Form Approved 03/05/19
OMB No. 2040-0004

SECTION 6. IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements	6.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?			
		☐ Yes ☒ No → SKIP to Item 6.3.			
	6.2	Briefly identify each applicable project in the table below.			
		Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates Required Projected
	6.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (optional item)			
		☐ Yes ☐ No ☒ Not applicable			

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.				
	Table A. Conventional and Non-Conventional Pollutants				
	7.1	Are you requesting a waiver from your NPDES permitting authority for one or more of the Table A pollutants for any of your outfalls?			
		☐ Yes ☒ No → SKIP to Item 7.3.			
	7.2	If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application.			
		Outfall Number _____ Outfall Number _____ Outfall Number _____			
	7.3	Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?			
		☒ Yes ☐ No; a waiver has been requested from my NPDES permitting authority for all pollutants at all outfalls.			
	Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants				
	7.4	Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-3? (See end of instructions for exhibit.)			
	☒ Yes ☐ No → SKIP to Item 7.8.				
7.5	Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?				
	☒ Yes ☐ No				
7.6	List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-3.				
	Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)			
	Gum and Wood Chemicals, Subpart D	☒ Volatile	☒ Acid	☒ Base/Neutral	☐ Pesticide
	Organic Chemicals Manufacturing	☒ Volatile	☒ Acid	☒ Base/Neutral	☒ Pesticide
	Pulp and Paperboard Mills	☒ Volatile	☒ Acid	☒ Base/Neutral	☒ Pesticide

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	---	---

Effluent and Intake Characteristics Continued	7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? ☒ Yes ☐ No		
	7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? ☒ Yes ☐ No		
	7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No		
	7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? ☐ Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. ☒ No		
	7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No		
	Table C. Certain Conventional and Non-Conventional Pollutants			
	7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? ☒ Yes ☐ No		
	7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? ☒ Yes ☐ No		
	Table D. Certain Hazardous Substances and Asbestos			
	7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☒ Yes ☐ No		
	7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? ☒ Yes ☐ No		
	Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)			
	7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? ☐ Yes → Complete Table E. ☒ No → SKIP to Section 8.		
	7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? ☒ Yes ☐ No		
SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))				
Used or Manufactured Toxics	8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? ☒ Yes ☐ No → SKIP to Section 9.		
	8.2	List the pollutants below.		
	1.	Phenols	4.	7.
	2.		5.	8.
	3.		6.	9.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC
---	----------------------------------	---

Form Approved 03/05/19
OMB No 2040-0004

SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests	9.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge? ☒ Yes ☐ No → SKIP to Section 10.		
	9.2	Identify the tests and their purposes below.		
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?
		Chronic Toxicity	NPDES permit requirement	☒ Yes ☐ No
				☐ Yes ☐ No

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

Contract Analyses	10.1	Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm? ☒ Yes ☐ No → SKIP to Section 11.		
	10.2	Provide information for each contract laboratory or consulting firm below.		
			Laboratory Number 1	Laboratory Number 2
		Name of laboratory/firm	American Interplex Corporation	SGS North America
		Laboratory address	8600 Kanis Road Little Rock, AR 72204	5500 Business Drive Wilmington, NC 28405
		Phone number	(501) 224-5060	(910) 350-1903

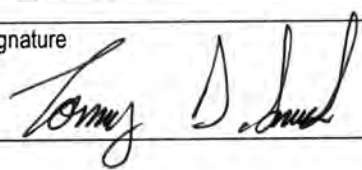
SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

Additional Information	11.1	Has the NPDES permitting authority requested additional information? ☐ Yes ☒ No → SKIP to Section 12.	
	11.2	List the information requested and attach it to this application.	
		1.	4.
		2.	5.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC
---	----------------------------------	---

Form Approved 03/05/19
OMB No. 2040-0004

SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	12.1	In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.	
		Column 1	Column 2
	☒ Section 1: Outfall Location	☐ w/ attachments	
	☒ Section 2: Line Drawing	☒ w/ line drawing	☐ w/ additional attachments
	☒ Section 3: Average Flows and Treatment	☐ w/ attachments	☐ w/ list of each user of privately owned treatment works
	☒ Section 4: Intermittent Flows	☐ w/ attachments	
	☒ Section 5: Production	☒ w/ attachments	
	☒ Section 6: Improvements	☐ w/ attachments	☐ w/ optional additional sheets describing any additional pollution control plans
	☒ Section 7: Effluent and Intake Characteristics	☐ w/ request for a waiver and supporting information ☐ w/ small business exemption request ☒ w/ Table A ☒ w/ Table C ☒ w/ Table E	☐ w/ explanation for identical outfalls ☐ w/ other attachments ☒ w/ Table B ☒ w/ Table D ☒ w/ analytical results as an attachment
	☒ Section 8: Used or Manufactured Toxics	☐ w/ attachments	
	☒ Section 9: Biological Toxicity Tests	☐ w/ attachments	
	☒ Section 10: Contract Analyses	☐ w/ attachments	
	☒ Section 11: Additional Information	☐ w/ attachments	
	☒ Section 12: Checklist and Certification Statement	☐ w/ attachments	
	12.2	Certification Statement	
	<i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>		
	Name (print or type first and last name)	Official title	
	Tommy D. Smith	Vice President of Manufacturing	
	Signature 	Date signed 4-4-2023	

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)		
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
☐ Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.									
1. Biochemical oxygen demand (BOD ₅)	☐	Concentration	mg/l	84.0		12.4	312		
		Mass	lb/d	6701		1273	312		
2. Chemical oxygen demand (COD)	☐	Concentration	mg/l	53			1		
		Mass	lb/d	5,260			1		
3. Total organic carbon (TOC)	☐	Concentration	mg/l	11.0			1		
		Mass	lb/d	1092			1		
4. Total suspended solids (TSS)	☐	Concentration	mg/l	74		17.8	312		
		Mass	lb/d	8157		1777	312		
5. Ammonia (as N)	☐	Concentration	mg/l	5.5			1		
		Mass	lb/d	546			1		
6. Flow	☐	Rate	MGD	89.7		12.6	730		
7. Temperature (winter)	☐	°C	°C	3.0 min		17.8	344		
	☐	°C	°C	30.3 max			344		
8. pH (minimum)	☐	Standard units	s.u.	6.3			450		
	☐	Standard units	s.u.	8.2			450		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)			
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses		
☐	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.												
Section 1. Toxic Metals, Cyanide, and Total Phenols													
1.1	Antimony, total (7440-36-0)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.2	Arsenic, total (7440-38-2)	☒	☒	☐	Concentration	ug/l	0.90			1			
					Mass	lb/d	0.089						
1.3	Beryllium, total (7440-41-7)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.4	Cadmium, total (7440-43-9)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.5	Chromium, total (7440-47-3)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.6	Copper, total (7440-50-8)	☒	☒	☐	Concentration	ug/l	8.3		3.7	25			
					Mass	lb/d	1.19		0.39	25			
1.7	Lead, total (7439-92-1)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.8	Mercury, total (7439-97-6)	☒	☒	☐	Concentration	ng/l	1.36			8			
					Mass	lb/d	0.00014			8			
1.9	Nickel, total (7440-02-0)	☒	☒	☐	Concentration	ug/l	1.8			1			
					Mass	lb/d	0.18						
1.10	Selenium, total (7782-49-2)	☒	☐	☒	Concentration	ug/l	ND			1			
					Mass								
1.11	Silver, total (7440-22-4)	☒	☐	☐	Concentration	ug/l	ND			1			
					Mass								

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
1.13	Zinc, total (7440-66-6)	☒	☒	☐	Concentration	ug/l	39	22.3	12.3	104		
					Mass	lb/d	7.48	2.66	1.29	104		
1.14	Cyanide, total (57-12-5)	☒	☐	☒	Concentration	mg/l	ND			1		
					Mass							
1.15	Phenols, total	☒	☒	☐	Concentration	mg/l	0.0050			1		
					Mass	lb/d	0.50			1		

Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)

2.1	Acrolein (107-02-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.2	Acrylonitrile (107-13-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.3	Benzene (71-43-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.4	Bromoform (75-25-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.5	Carbon tetrachloride (56-23-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.6	Chlorobenzene (108-90-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.7	Chlorodibromomethane (124-48-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.8	Chloroethane (75-00-3)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.10	Chloroform (67-66-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.11	Dichlorobromomethane (75-27-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.12	1,1-dichloroethane (75-34-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.13	1,2-dichloroethane (107-06-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.14	1,1-dichloroethylene (75-35-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.15	1,2-dichloropropane (78-87-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.16	1,3-dichloropropylene (542-75-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.17	Ethylbenzene (100-41-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.18	Methyl bromide (74-83-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.19	Methyl chloride (74-87-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.20	Methylene chloride (75-09-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.21	1,1,2,2- tetrachloroethane (79-34-5)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.23	Toluene (108-88-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.24	1,2-trans-dichloroethylene (156-60-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.25	1,1,1-trichloroethane (71-55-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.26	1,1,2-trichloroethane (79-00-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.27	Trichloroethylene (79-01-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.28	Vinyl chloride (75-01-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)												
3.1	2-chlorophenol (95-57-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.2	2,4-dichlorophenol (120-83-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.3	2,4-dimethylphenol (105-67-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.4	4,6-dinitro-o-cresol (534-52-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.5	2,4-dinitrophenol (51-28-5)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.7	4-nitrophenol (100-02-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.8	p-chloro-m-cresol (59-50-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.9	Pentachlorophenol (87-86-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.10	Phenol (108-95-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.11	2,4,6-trichlorophenol (88-05-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)

4.1	Acenaphthene (83-32-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.2	Acenaphthylene (208-96-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.3	Anthracene (120-12-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.4	Benzidine (92-87-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.5	Benzo (a) anthracene (56-55-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.6	Benzo (a) pyrene (50-32-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.8	Benzo (ghi) perylene (191-24-2)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.9	Benzo (k) fluoranthene (207-08-9)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.10	Bis (2-chloroethoxy) methane (111-91-1)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.11	Bis (2-chloroethyl) ether (111-44-4)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.14	4-bromophenyl phenyl ether (101-55-3)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.15	Butyl benzyl phthalate (85-68-7)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.16	2-chloronaphthalene (91-58-7)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.17	4-chlorophenyl phenyl ether (7005-72-3)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.18	Chrysene (218-01-9)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						
4.19	Dibenzo (a,h) anthracene (53-70-3)	☒	☐	☒	Concentration	ug/l	ND		1		
					Mass						

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.21	1,3-dichlorobenzene (541-73-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.22	1,4-dichlorobenzene (106-46-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.23	3,3-dichlorobenzidine (91-94-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.24	Diethyl phthalate (84-66-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.25	Dimethyl phthalate (131-11-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.26	Di-n-butyl phthalate (84-74-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.27	2,4-dinitrotoluene (121-14-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.28	2,6-dinitrotoluene (606-20-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.29	Di-n-octyl phthalate (117-84-0)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.31	Fluoranthene (206-44-0)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.32	Fluorene (86-73-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.36	Hexachloroethane (67-72-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.38	Isophorone (78-59-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.39	Naphthalene (91-20-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.40	Nitrobenzene (98-95-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.44	Phenanthrene (85-01-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.45	Pyrene (129-00-0)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)											
5.1	Aldrin (309-00-2)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.2	α-BHC (319-84-6)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.3	β-BHC (319-85-7)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.4	γ-BHC (58-89-9)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.5	δ-BHC (319-86-8)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.6	Chlordane (57-74-9)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.7	4,4'-DDT (50-29-3)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.8	4,4'-DDE (72-55-9)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.9	4,4'-DDD (72-54-8)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
5.10	Dieldrin (60-57-1)	☒	☐	☒	Concentration ug/l	ND			24		
					Mass						
5.11	α-endosulfan (115-29-7)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.13	Endosulfan sulfate (1031-07-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.14	Endrin (72-20-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.15	Endrin aldehyde (7421-93-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.16	Heptachlor (76-44-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.17	Heptachlor epoxide (1024-57-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.18	PCB-1242 (53469-21-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.19	PCB-1254 (11097-69-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.20	PCB-1221 (11104-28-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.21	PCB-1232 (11141-16-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.22	PCB-1248 (12672-29-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.23	PCB-1260 (11096-82-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.24	PCB-1016 (12674-11-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene (8001-35-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)		
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
☐ Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.										
☐ Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.										
1. Bromide (24959-67-9)	☐	☒	Concentration	mg/l	ND		1			
			Mass							
2. Chlorine, total residual	☐	☒	Concentration	mg/l	ND		1			
			Mass							
3. Color	☒	☐	Concentration	CU	40		1			
			Mass							
4. Fecal coliform	☒	☐	Concentration	/100	46		1			
			Mass							
5. Fluoride (16984-48-8)	☒	☐	Concentration	mg/l	0.15		1			
			Mass	lb/d	14.9		1			
6. Nitrate-nitrite	☒	☐	Concentration	mg/l	1.4		1			
			Mass	lb/d	138.9		1			
7. Nitrogen, total organic (as N)	☒	☐	Concentration	mg/l	4.6		1			
			Mass	lb/d	456.5		1			
8. Oil and grease	☒	☐	Concentration	mg/l	ND		1			
			Mass							
9. Phosphorus (as P), total (7723-14-0)	☒	☐	Concentration	mg/l	0.59	0.44	104			
			Mass	lb/d	97.3	0.28	104			
10. Sulfate (as SO ₄) (14808-79-8)	☒	☐	Concentration	mg/l	40		1			
			Mass	lb/d	3970		1			
11. Sulfide (as S)	☒	☐	Concentration	mg/l	ND		1			
			Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)	☒	☐	Concentration	mg/l	20			1		
				Mass	lb/d	1985			1		
13.	Surfactants	☒	☐	Concentration	mg/l	ND			1		
				Mass							
14.	Aluminum, total (7429-90-5)	☒	☐	Concentration	ug/l	89			1		
				Mass	lb/d	8.83			1		
15.	Barium, total (7440-39-3)	☒	☐	Concentration	ug/l	100			1		
				Mass	lb/d	9.92			1		
16.	Boron, total (7440-42-8)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
17.	Cobalt, total (7440-48-4)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
18.	Iron, total (7439-89-6)	☒	☐	Concentration	ug/l	1400	894	227	104		
				Mass	lb/d	180	76.1	24.1	104		
19.	Magnesium, total (7439-95-4)	☒	☐	Concentration	ug/l	3000			1		
				Mass	lb/d	298			1		
20.	Molybdenum, total (7439-98-7)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
21.	Manganese, total (7439-96-5)	☒	☐	Concentration	ug/l	500			1		
				Mass	lb/d	49.6			1		
22.	Tin, total (7440-31-5)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
23.	Titanium, total (7440-32-6)	☐	☒	Concentration	ug/l	ND			1		
				Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	☒	☐	Concentration	pCi/L	2.64			1	
			Mass						
Beta, total	☒	☐	Concentration	pCi/L	5.02			1	
			Mass						
Radium, total	☒	☐	Concentration	pCi/L	1.55			1	
			Mass						
Radium 226, total	☒	☐	Concentration	pCi/L	0.0394			1	
			Mass						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	☐	☒		
2.	Acetaldehyde	☐	☒		ND
3.	Allyl alcohol	☐	☒		
4.	Allyl chloride	☐	☒		
5.	Amyl acetate	☐	☒		
6.	Aniline	☐	☒		
7.	Benzonitrile	☐	☒		
8.	Benzyl chloride	☐	☒		
9.	Butyl acetate	☐	☒		
10.	Butylamine	☐	☒		
11.	Captan	☐	☒		
12.	Carbaryl	☐	☒		
13.	Carbofuran	☐	☒		
14.	Carbon disulfide	☐	☒		ND
15.	Chlorpyrifos	☐	☒		
16.	Coumaphos	☐	☒		
17.	Cresol	☐	☒		
18.	Crotonaldehyde	☐	☒		
19.	Cyclohexane	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	☐	☒		
21.	Diazinon	☐	☒		
22.	Dicamba	☐	☒		
23.	Dichlobenil	☐	☒		
24.	Dichlone	☐	☒		
25.	2,2-dichloropropionic acid	☐	☒		
26.	Dichlorvos	☐	☒		
27.	Diethyl amine	☐	☒		
28.	Dimethyl amine	☐	☒		
29.	Dinitrobenzene	☐	☒		
30.	Diquat	☐	☒		
31.	Disulfoton	☐	☒		
32.	Diuron	☐	☒		
33.	Epichlorohydrin	☐	☒		ND
34.	Ethion	☐	☒		
35.	Ethylene diamine	☐	☒		
36.	Ethylene dibromide	☐	☒		
37.	Formaldehyde	☒	☐	The Bakelite Chemical Plant produces Formaldehyde Resins.	0.158 mg/L
38.	Furfural	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	☐	☒		
40.	Isoprene	☐	☒		
41.	Isopropanolamine	☐	☒		
42.	Kelthane	☐	☒		
43.	Kepone	☐	☒		
44.	Malathion	☐	☒		
45.	Mercaptodimethur	☐	☒		
46.	Methoxychlor	☐	☒		
47.	Methyl mercaptan	☐	☒		ND
48.	Methyl methacrylate	☐	☒		
49.	Methyl parathion	☐	☒		
50.	Mevinphos	☐	☒		
51.	Mexacarbate	☐	☒		
52.	Monoethyl amine	☐	☒		
53.	Monomethyl amine	☐	☒		
54.	Naled	☐	☒		
55.	Naphthenic acid	☐	☒		
56.	Nitrotoluene	☐	☒		
57.	Parathion	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	☐	☒		
59.	Phosgene	☐	☒		
60.	Propargite	☐	☒		
61.	Propylene oxide	☐	☒		
62.	Pyrethrins	☐	☒		
63.	Quinoline	☐	☒		
64.	Resorcinol	☐	☒		
65.	Strontium	☐	☒		
66.	Strychnine	☐	☒		
67.	Styrene	☐	☒		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	☐	☒		
69.	TDE (tetrachlorodiphenyl ethane)	☐	☒		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	☐	☒		
71.	Trichlorofon	☐	☒		
72.	Triethanolamine	☐	☒		
73.	Triethylamine	☐	☒		
74.	Trimethylamine	☐	☒		
75.	Uranium	☐	☒		
76.	Vanadium	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	☐	☒		
78.	Xylene	☐	☒		ND
79.	Xylenol	☐	☒		
80.	Zirconium	☐	☒		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number 001
---	----------------------------------	---	-----------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☒	Quarterly testing has produced non-detect results and is reported on Discharge Monitoring Reports.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

TABLE A: CONVENTIONAL AND NON-CONVENTIONAL POLLUTANT CATEGORIES (1% OF R-12.2) (9/1/00)										
Pollutant		Waiver Requested (if applicable)	Units (specify)		Effluent				Intake (Optional)	
					Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐	Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.									
1.	Biochemical oxygen demand (BOD ₅)	☐	Concentration	mg/l	75		9.6	159		
			Mass	lb/d	6155		913	159		
2.	Chemical oxygen demand (COD)	☐	Concentration	mg/l	51			1		
			Mass	lb/d	7614			1		
3.	Total organic carbon (TOC)	☐	Concentration	mg/l	12.4			1		
			Mass	lb/d	1851			1		
4.	Total suspended solids (TSS)	☐	Concentration	mg/l	38		15.8	159		
			Mass	lb/d	10915		1561	159		
5.	Ammonia (as N)	☐	Concentration	mg/l	1.1			1		
			Mass	lb/d	164			1		
6.	Flow	☐	Rate	MGD	81.8		12.3	373		
7.	Temperature (winter)	☐	°C	°C	1.4 min		15.6	153		
	Temperature (summer)	☐	°C	°C	29.8 max			344		
8.	pH (minimum)	☐	Standard units	s.u.	6.0			224		
	pH (maximum)	☐	Standard units	s.u.	8.3			224		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)			
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses		
☐	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.												
Section 1. Toxic Metals, Cyanide, and Total Phenols													
1.1	Antimony, total (7440-36-0)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.2	Arsenic, total (7440-38-2)	☒	☒	☐	Concentration	ug/l	1.9		1				
					Mass	lb/d	0.28		1				
1.3	Beryllium, total (7440-41-7)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.4	Cadmium, total (7440-43-9)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.5	Chromium, total (7440-47-3)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.6	Copper, total (7440-50-8)	☒	☒	☐	Concentration	ug/l	5.7	2.9	15				
					Mass	lb/d	0.84	0.29	15				
1.7	Lead, total (7439-92-1)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.8	Mercury, total (7439-97-6)	☒	☒	☐	Concentration	ug/l	ND		1				
					Mass								
1.9	Nickel, total (7440-02-0)	☒	☒	☐	Concentration	ug/l	2.7		1				
					Mass	lb/d	0.40						
1.10	Selenium, total (7782-49-2)	☒	☐	☒	Concentration	ug/l	ND		1				
					Mass								
1.11	Silver, total (7440-22-4)	☒	☐	☐	Concentration	ug/l	ND		1				
					Mass								

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
1.13	Zinc, total (7440-66-6)	☒	☒	☐	Concentration ug/l	47		24.3	15		
					Mass lb/d	15.7		2.94	15		
1.14	Cyanide, total (57-12-5)	☒	☐	☒	Concentration mg/l	ND			1		
					Mass						
1.15	Phenols, total	☒	☒	☐	Concentration mg/l	ND			1		
					Mass						

Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)

2.1	Acrolein (107-02-8)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.2	Acrylonitrile (107-13-1)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.3	Benzene (71-43-2)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.4	Bromoform (75-25-2)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.5	Carbon tetrachloride (56-23-5)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.6	Chlorobenzene (108-90-7)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.7	Chlorodibromomethane (124-48-1)	☒	☐	☒	Concentration ug/l	ND			1		
					Mass						
2.8	Chloroethane (75-00-3)	☐	☐	☒	Concentration ug/l	ND			1		
					Mass						

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.10	Chloroform (67-66-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.11	Dichlorobromomethane (75-27-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.12	1,1-dichloroethane (75-34-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.13	1,2-dichloroethane (107-06-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.14	1,1-dichloroethylene (75-35-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.15	1,2-dichloropropane (78-87-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.16	1,3-dichloropropylene (542-75-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.17	Ethylbenzene (100-41-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.18	Methyl bromide (74-83-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.19	Methyl chloride (74-87-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.20	Methylene chloride (75-09-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.21	1,1,2,2- tetrachloroethane (79-34-5)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.23	Toluene (108-88-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.24	1,2-trans-dichloroethylene (156-60-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.25	1,1,1-trichloroethane (71-55-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.26	1,1,2-trichloroethane (79-00-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.27	Trichloroethylene (79-01-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
2.28	Vinyl chloride (75-01-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)												
3.1	2-chlorophenol (95-57-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.2	2,4-dichlorophenol (120-83-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.3	2,4-dimethylphenol (105-67-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.4	4,6-dinitro-o-cresol (534-52-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.5	2,4-dinitrophenol (51-28-5)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.7	4-nitrophenol (100-02-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.8	p-chloro-m-cresol (59-50-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.9	Pentachlorophenol (87-86-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.10	Phenol (108-95-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
3.11	2,4,6-trichlorophenol (88-05-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.2	Acenaphthylene (208-96-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.3	Anthracene (120-12-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.4	Benzidine (92-87-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.5	Benzo (a) anthracene (56-55-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.6	Benzo (a) pyrene (50-32-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.8	Benzo (ghi) perylene (191-24-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.9	Benzo (k) fluoranthene (207-08-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.10	Bis (2-chloroethoxy) methane (111-91-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.11	Bis (2-chloroethyl) ether (111-44-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.14	4-bromophenyl phenyl ether (101-55-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.15	Butyl benzyl phthalate (85-68-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.16	2-chloronaphthalene (91-58-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.17	4-chlorophenyl phenyl ether (7005-72-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.18	Chrysene (218-01-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.19	Dibenzo (a,h) anthracene (53-70-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.21	1,3-dichlorobenzene (541-73-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.22	1,4-dichlorobenzene (106-46-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.23	3,3-dichlorobenzidine (91-94-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.24	Diethyl phthalate (84-66-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.25	Dimethyl phthalate (131-11-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.26	Di-n-butyl phthalate (84-74-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.27	2,4-dinitrotoluene (121-14-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.28	2,6-dinitrotoluene (606-20-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.29	Di-n-octyl phthalate (117-84-0)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.31	Fluoranthene (206-44-0)	☐	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.32	Fluorene (86-73-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.36	Hexachloroethane (67-72-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.38	Isophorone (78-59-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.39	Naphthalene (91-20-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.40	Nitrobenzene (98-95-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.44	Phenanthrene (85-01-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
4.45	Pyrene (129-00-0)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)												
5.1	Aldrin (309-00-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.2	α -BHC (319-84-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.3	β -BHC (319-85-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.4	γ -BHC (58-89-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.5	δ -BHC (319-86-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.6	Chlordane (57-74-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.7	4,4'-DDT (50-29-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.8	4,4'-DDE (72-55-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.9	4,4'-DDD (72-54-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.10	Dieldrin (60-57-1)	☒	☐	☒	Concentration	ug/l	ND			24		
					Mass							
5.11	α -endosulfan (115-29-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.13	Endosulfan sulfate (1031-07-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.14	Endrin (72-20-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.15	Endrin aldehyde (7421-93-4)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.16	Heptachlor (76-44-8)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.17	Heptachlor epoxide (1024-57-3)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.18	PCB-1242 (53469-21-9)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.19	PCB-1254 (11097-69-1)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.20	PCB-1221 (11104-28-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.21	PCB-1232 (11141-16-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.22	PCB-1248 (12672-29-6)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.23	PCB-1260 (11096-82-5)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							
5.24	PCB-1016 (12674-11-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene (8001-35-2)	☒	☐	☒	Concentration	ug/l	ND			1		
					Mass							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)			
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses		
☐ Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.											
☐ Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.											
1. Bromide (24959-67-9)	☐	☒	Concentration	mg/l	ND		1				
			Mass								
2. Chlorine, total residual	☐	☒	Concentration	mg/L	ND		1				
			Mass								
3. Color	☒	☐	Concentration	CU	80		1				
			Mass								
4. Fecal coliform	☒	☐	Concentration	/100	46		1				
			Mass								
5. Fluoride (16984-48-8)	☒	☐	Concentration	mg/l	0.12		1				
			Mass	lb/d	17.9		1				
6. Nitrate-nitrite	☒	☐	Concentration	mg/l	0.82		1				
			Mass	lb/d	122		1				
7. Nitrogen, total organic (as N)	☒	☐	Concentration	mg/l	2.0		1				
			Mass	lb/d	299		1				
8. Oil and grease	☒	☐	Concentration	mg/l	11		1				
			Mass	lb/d	1642		1				
9. Phosphorus (as P), total (7723-14-0)	☒	☐	Concentration	mg/l	0.24	0.15	15				
			Mass	lb/d	53.5	15.8	15				
10. Sulfate (as SO ₄) (14808-79-8)	☒	☐	Concentration	mg/l	63		1				
			Mass	lb/d	9405		1				
11. Sulfide (as S)	☒	☐	Concentration	mg/l	ND		1				
			Mass								

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)	☒	☐	Concentration	mg/l	10			1		
				Mass	lb/d	1493			1		
13.	Surfactants	☒	☐	Concentration	mg/l	0.64			1		
				Mass							
14.	Aluminum, total (7429-90-5)	☒	☐	Concentration	ug/l	130			1		
				Mass	lb/d	19.4			1		
15.	Barium, total (7440-39-3)	☒	☐	Concentration	ug/l	100			1		
				Mass	lb/d	14.9			1		
16.	Boron, total (7440-42-8)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
17.	Cobalt, total (7440-48-4)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
18.	Iron, total (7439-89-6)	☒	☐	Concentration		Did not test					
				Mass							
19.	Magnesium, total (7439-95-4)	☒	☐	Concentration	ug/l	3400			1		
				Mass	lb/d	508			1		
20.	Molybdenum, total (7439-98-7)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
21.	Manganese, total (7439-96-5)	☒	☐	Concentration	ug/l	250			1		
				Mass	lb/d	37.3			1		
22.	Tin, total (7440-31-5)	☐	☒	Concentration	ug/l	ND			1		
				Mass							
23.	Titanium, total (7440-32-6)	☐	☒	Concentration	ug/l	ND			1		
				Mass							

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	☒	☐	Concentration	pCi/L	0.447			1	
			Mass						
Beta, total	☒	☐	Concentration	pCi/L	5.09			1	
			Mass						
Radium, total	☒	☐	Concentration	pCi/L	0.935			1	
			Mass						
Radium 226, total	☒	☐	Concentration	pCi/L	0.249			1	
			Mass						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	☐	☒		
2.	Acetaldehyde	☐	☒		ND
3.	Allyl alcohol	☐	☒		
4.	Allyl chloride	☐	☒		
5.	Amyl acetate	☐	☒		
6.	Aniline	☐	☒		
7.	Benzonitrile	☐	☒		
8.	Benzyl chloride	☐	☒		
9.	Butyl acetate	☐	☒		
10.	Butylamine	☐	☒		
11.	Captan	☐	☒		
12.	Carbaryl	☐	☒		
13.	Carbofuran	☐	☒		
14.	Carbon disulfide	☐	☒		ND
15.	Chlorpyrifos	☐	☒		
16.	Coumaphos	☐	☒		
17.	Cresol	☐	☒		
18.	Crotonaldehyde	☐	☒		
19.	Cyclohexane	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	☐	☒		
21.	Diazinon	☐	☒		
22.	Dicamba	☐	☒		
23.	Dichlobenil	☐	☒		
24.	Dichlone	☐	☒		
25.	2,2-dichloropropionic acid	☐	☒		
26.	Dichlorvos	☐	☒		
27.	Diethyl amine	☐	☒		
28.	Dimethyl amine	☐	☒		
29.	Dinitrobenzene	☐	☒		
30.	Diquat	☐	☒		
31.	Disulfoton	☐	☒		
32.	Diuron	☐	☒		
33.	Epichlorohydrin	☐	☒		ND
34.	Ethion	☐	☒		
35.	Ethylene diamine	☐	☒		
36.	Ethylene dibromide	☐	☒		
37.	Formaldehyde	☐	☒		ND
38.	Furfural	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	☐	☒		
40.	Isoprene	☐	☒		
41.	Isopropanolamine	☐	☒		
42.	Kelthane	☐	☒		
43.	Kepone	☐	☒		
44.	Malathion	☐	☒		
45.	Mercaptodimethur	☐	☒		
46.	Methoxychlor	☐	☒		
47.	Methyl mercaptan	☐	☒		ND
48.	Methyl methacrylate	☐	☒		
49.	Methyl parathion	☐	☒		
50.	Mevinphos	☐	☒		
51.	Mexacarbate	☐	☒		
52.	Monoethyl amine	☐	☒		
53.	Monomethyl amine	☐	☒		
54.	Naled	☐	☒		
55.	Naphthenic acid	☐	☒		
56.	Nitrotoluene	☐	☒		
57.	Parathion	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	☐	☒		
59.	Phosgene	☐	☒		
60.	Propargite	☐	☒		
61.	Propylene oxide	☐	☒		
62.	Pyrethrins	☐	☒		
63.	Quinoline	☐	☒		
64.	Resorcinol	☐	☒		
65.	Strontium	☐	☒		
66.	Strychnine	☐	☒		
67.	Styrene	☐	☒		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	☐	☒		
69.	TDE (tetrachlorodiphenyl ethane)	☐	☒		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	☐	☒		
71.	Trichlorofon	☐	☒		
72.	Triethanolamine	☐	☒		
73.	Triethylamine	☐	☒		
74.	Trimethylamine	☐	☒		
75.	Uranium	☐	☒		
76.	Vanadium	☐	☒		

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	☐	☒		
78.	Xylene	☐	☒		ND
79.	Xylenol	☐	☒		
80.	Zirconium	☐	☒		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number ARD035466648	NPDES Permit Number AR0001210	Facility Name Georgia-Pacific Crossett LLC	Outfall Number SMS 002
---	----------------------------------	---	---------------------------

Form Approved 03/05/19
OMB No. 2040-0004

TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☒	

ARKANSAS Department of Environmental Quality
PPS REQUIREMENTS

1. Name of facility:

Georgia-Pacific Crossett LLC

2. Name, address and telephone number of laboratory:

American Interplex Corporation, 8600 Kanis Road, Little Rock, AR 72204

3. Is the lab certified by the State of Arkansas? Yes X No

4. What are the certification dates?

Issued date 2/28/22 Expire date 2/28/23

5. Is the laboratory certified for all the parameters?

YES X No (Explain)

6. Date and time of samples collected:

12/13/22 at 7:07 am

7. Date and time samples were received in the laboratory:

12/13/22 at 12:57 pm

8. Sample location (Outfall No.):

Outfall 001

9. Samples collected by:

Name Rachel Johnson

Title Environmental Engineer

Telephone 870-415-6352

10. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Tommy D. Smith
Printed Name of person signing

Vice President of Manufacturing
Title

Tommy D. Smith
Signature

4-4-2023
Date signed

List all attachments to this form:

METALS AND CYANIDE	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
1. Antimony (Total), Recoverable	ND	200.7	60	60
2. Arsenic (Total), Recoverable	0.90	200.8	0.5	0.5
3. Beryllium (Total), Recoverable	ND	200.7	0.5	0.5
4. Cadmium (Total), Recoverable	ND	200.8	0.5	0.5
5. Chromium (Total), Recoverable	ND	200.7	10	10
7. Chromium (6+), Dissolved	ND	3500-Cr B 2011	10	10
8. Copper (Total), Recoverable	3.7	200.8	0.5	0.5
9. Lead (Total), Recoverable	ND	200.8	0.5	0.5
10. Mercury (Total), Recoverable	0.0014	1631E	0.001	0.005
12. Nickel (Total), Recoverable	1.8	200.8	0.5	0.5
13. Selenium (Total), Recoverable	ND	200.8	5	5
14. Silver (Total), Recoverable	ND	200.8	0.5	0.5
15. Thallium (Total), Recoverable	ND	200.8	0.5	0.5
16. Zinc (Total), Recoverable	12.3	200.8	10	20
129. Phenols, Total Recoverable	5.0	420.1	5	5
17. Cyanide (Total), Recoverable	ND	4500-CN C,E 2016	10	10

DIOXIN	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
18. 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	0	1613B	0.00001	0.00001

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL ($\mu\text{g/l}$)
	RESULTS ($\mu\text{g/l}$)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ($\mu\text{g/l}$)	
19. Acrolein	ND	624.1	50	50
20. Acrylonitrile	ND	624.1	20	20
21. Benzene	ND	624.1	10	10
22. Bromoform	ND	624.1	10	10
23. Carbon Tetrachloride	ND	624.1	2.0	2
24. chlorobenzene	ND	624.1	10	10
25. chlorodibromomethane	ND	624.1	10	10
26. chloroethane	ND	624.1	50	50
27. 2-Chloroethyl vinyl ether	ND	624.1	10	10
28. chloroform	ND	624.1	10	10
29. Dichlorobromomethane	ND	624.1	10	10
30. 1,1-Dichloroethane	ND	624.1	10	10
31. 1,2-Dichloroethane	ND	624.1	10	10
32. 1,1-Dichloroethylene	ND	624.1	10	10
33. 1,2-Dichloropropane	ND	624.1	10	10
34. 1,3-Dichloropropylene	ND	624.1	10	10
35. Ethylbenzene	ND	624.1	10	10
36. Methyl Bromide [Bromomethane]	ND	624.1	50	50
37. Methyl chloride [chloromethane]	ND	624.1	50	50
38. Methylene chloride	ND	624.1	20	20
39. 1,1,2,2-Tetrachloroethane	ND	624.1	10	10
40. Tetrachloroethylene	ND	624.1	10	10
41. Toluene	ND	624.1	10	10
42. 1,2-trans-Dichloroethylene	ND	624.1	10	10
43. 1,1,1-Trichloroethane	ND	624.1	10	10
44. 1,1,2-Trichloroethane	ND	624.1	10	10
45. Trichloroethylene	ND	624.1	10	10
46. Vinyl chloride	ND	624.1	10	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	ND	625.1	10	10
48. 2,4-Dichlorophenol	ND	625.1	10	10
49. 2,4-Dimethylphenol	ND	625.1	10	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol]	ND	625.1	50	50
51. 2,4-Dinitrophenol	ND	625.1	50	50
52. 2-Nitrophenol	ND	625.1	20	20
53. 4-Nitrophenol	ND	625.1	50	50
54. P-Chloro-m-Cresol [4 chloro-3-methylphenol]	ND	625.1	10	10
55. Pentachlorophenol	ND	625.1	5.0	5
56. Phenol	ND	625.1	10	10
57. 2,4,6-Trichlorophenol	ND	625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	ND	625.1	10	10
59. Acenaphthylene	ND	625.1	10	10
60. Anthracene	ND	625.1	10	10
61. Benzidine	ND	625.1	50	50
62. Benzo(a)anthracene	ND	625.1	5.0	5
63. Benzo(a)pyrene	ND	625.1	5.0	5
64. 3,4-Benzofluoranthene	ND	625.1	10	10
65. Benzo(ghi)perylene	ND	625.1	20	20
66. Benzo(k)fluoranthene	ND	625.1	5.0	5
67. Bis(2-chloroethoxy) methane	ND	625.1	10	10
68. Bis(2-chloroethyl) ether	ND	625.1	10	10
69. Bis(2-chloroisopropyl) ether	ND	625.1	10	10
70. Bis(2-ethylhexyl) phthalate	ND	625.1	10	10
71. 4-Bromophenyl phenyl ether	ND	625.1	10	10
72. Butyl benzyl phthalate	ND	625.1	10	10
73. 2-Chloronapthalene	ND	625.1	10	10
74. 4-Chlorophenyl phenyl ether	ND	625.1	10	10
75. Chrysene	ND	625.1	5.0	5
76. Dibenzo (a,h) anthracene	ND	625.1	5.0	5
77. 1,2-Dichlorobenzene	ND	624.1	10	10
78. 1,3-Dichlorobenzene	ND	624.1	10	10
79. 1,4-Dichlorobenzene	ND	624.1	10	10
80. 3,3'-Dichlorobenzidine	ND	625.1	5.0	5
81. Diethyl Phthalate	ND	625.1	10	10
82. Dimethyl Phthalate	ND	625.1	10	10
83. Di-n-Butyl Phthalate	ND	625.1	10	10
84. 2,4-Dinitrotoluene	ND	625.1	10	10
85. 2,6-Dinitrotoluene	ND	625.1	10	10
86. Di-n-octyl Phthalate	ND	625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
87. 1,2-Diphenylhydrazine	ND	625.1	20	20
89. Fluorene	ND	625.1	10	10
90. Hexachlorobenzene	ND	625.1	5.0	5
91. Hexachlorobutadiene	ND	625.1	10	10
92. Hexachlorocyclopentadiene	ND	625.1	10	10
93. Hexachloroethane	ND	625.1	20	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	ND	625.1	5.0	5
95. Isophorone	ND	625.1	10	10
96. Naphthalene	ND	625.1	10	10
97. Nitrobenzene	ND	625.1	10	10
98. N-nitrosodimethylamine	ND	625.1	50	50
99. N-nitrosodi-n-propylamine	ND	625.1	20	20
100. N-nitrosodiphenylamine	ND	625.1	20	20
101. Phenanthrene	ND	625.1	10	10
102. Pyrene	ND	625.1	10	10
103. 1,2,4-Trichlorobenzene	ND	625.1	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	ND	608.3	0.010	0.01
105. Alpha-BHC	ND	608.3	0.050	0.05
106. Beta-BHC	ND	608.3	0.050	0.05
107. Gamma-BHC	ND	608.3	0.050	0.05
108. Delta-BHC	ND	608.3	0.050	0.05
109. Chlordane	ND	608.3	0.20	0.2
110. 4,4'-DDT	ND	608.3	0.020	0.02
111. 4,4'-DDE (p,p-DDX)	ND	608.3	0.10	0.1
112. 4,4'-DDD 9(p,p-TDE)	ND	608.3	0.10	0.1
113. Dieldrin	ND	608.3	0.020	0.02
114. Alpha-endosulfan	ND	608.3	0.010	0.01
115. Beta-endosulfan	ND	608.3	0.020	0.02
116. Endosulfan sulfate	ND	608.3	0.10	0.1
117. Endrin	ND	608.3	0.020	0.02
118. Endrin aldehyde	ND	608.3	0.10	0.1
119. Heptachlor	ND	608.3	0.010	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	ND	608.3	0.010	0.01
130. Chlorpyrifos	ND	608.3	0.070	0.07
121. PCB-1242	ND	608.3	0.20	0.2
122. PCB-1254	ND	608.3	0.20	0.2
123. PCB-1221	ND	608.3	0.20	0.2
124. PCB-1232	ND	608.3	0.20	0.2
125. PCB-1248	ND	608.3	0.20	0.2
126. PCB-1260	ND	608.3	0.20	0.2
127. PCB-1016	ND	608.3	0.20	0.2
128. Toxaphene	ND	608.3	0.30	0.3

ARKANSAS Department of Environmental Quality
PPS REQUIREMENTS

1. Name of facility:

Georgia-Pacific Crossett LLC

2. Name, address and telephone number of laboratory:

American Interplex Corporation, 8600 Kanis Road, Little Rock, AR 72204

3. Is the lab certified by the State of Arkansas? Yes X No

4. What are the certification dates?

Issued date 2/28/22 Expire date 2/23/23

5. Is the laboratory certified for all the parameters?

YES X No (Explain)

6. Date and time of samples collected:

12/13/22 at 7:59 am

7. Date and time samples were received in the laboratory:

12/13/22 at 12:57 pm

8. Sample location (Outfall No.):

SMS 002

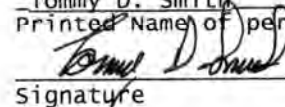
9. Samples collected by:

Name Rachel Johnson

Title Environmental Engineer

Telephone 870-415-6352

10. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<u>Tommy D. Smith</u>	<u>Vice President of Manufacturing</u>
Printed Name of person signing	Title
	<u>4-4-2023</u>
Signature	Date signed

List all attachments to this form:

METALS AND CYANIDE	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
1. Antimony (Total), Recoverable	ND	200.7	60	60
2. Arsenic (Total), Recoverable	1.9	200.8	0.5	0.5
3. Beryllium (Total), Recoverable	ND	200.7	0.5	0.5
4. Cadmium (Total), Recoverable	ND	200.8	0.5	0.5
5. Chromium (Total), Recoverable	ND	200.7	10	10
7. Chromium (6+), Dissolved	ND	3500-Cr B 2011	10	10
8. Copper (Total), Recoverable	2.9	200.8	0.5	0.5
9. Lead (Total), Recoverable	ND	200.8	0.5	0.5
10. Mercury (Total), Recoverable	ND	245.2	0.0002	0.005
12. Nickel (Total), Recoverable	2.7	200.8	0.5	0.5
13. Selenium (Total), Recoverable	ND	200.8	5	5
14. Silver (Total), Recoverable	ND	200.8	0.5	0.5
15. Thallium (Total), Recoverable	ND	200.8	0.5	0.5
16. Zinc (Total), Recoverable	24.3	200.8	10	20
129. Phenols, Total Recoverable	ND	420.1	5	5
17. Cyanide (Total), Recoverable	ND	4500-CN C, E 2016	10	10

DIOXIN	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
18. 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	Not tested			0.00001

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	ND	624.1	50	50
20. Acrylonitrile	ND	624.1	20	20
21. Benzene	ND	624.1	10	10
22. Bromoform	ND	624.1	10	10
23. Carbon Tetrachloride	ND	624.1	2.0	2
24. chlorobenzene	ND	624.1	10	10
25. Chlorodibromomethane	ND	624.1	10	10
26. Chloroethane	ND	624.1	50	50
27. 2-Chloroethyl vinyl ether	ND	624.1	10	10
28. chloroform	ND	624.1	10	10
29. Dichlorobromomethane	ND	624.1	10	10
30. 1,1-Dichloroethane	ND	624.1	10	10
31. 1,2-Dichloroethane	ND	624.1	10	10
32. 1,1-Dichloroethylene	ND	624.1	10	10
33. 1,2-Dichloropropane	ND	624.1	10	10
34. 1,3-Dichloropropylene	ND	624.1	10	10
35. Ethylbenzene	ND	624.1	10	10
36. Methyl Bromide [Bromomethane]	ND	624.1	50	50
37. Methyl chloride [chloromethane]	ND	624.1	50	50
38. Methylene chloride	ND	624.1	20	20
39. 1,1,2,2-Tetrachloroethane	ND	624.1	10	10
40. Tetrachloroethylene	ND	624.1	10	10
41. Toluene	ND	624.1	10	10
42. 1,2-trans-Dichloroethylene	ND	624.1	10	10
43. 1,1,1-Trichloroethane	ND	624.1	10	10
44. 1,1,2-Trichloroethane	ND	624.1	10	10
45. Trichloroethylene	ND	624.1	10	10
46. vinyl chloride	ND	624.1	10	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	ND	625.1	10	10
48. 2,4-Dichlorophenol	ND	625.1	10	10
49. 2,4-Dimethylphenol	ND	625.1	10	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol]	ND	625.1	50	50
51. 2,4-Dinitrophenol	ND	625.1	50	50
52. 2-Nitrophenol	ND	625.1	20	20
53. 4-Nitrophenol	ND	625.1	50	50
54. p-Chloro-m-Cresol [4 chloro-3-methylphenol]	ND	625.1	10	10
55. Pentachlorophenol	ND	625.1	5.0	5
56. Phenol	ND	625.1	10	10
57. 2,4,6-Trichlorophenol	ND	625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	ND	625.1	10	10
59. Acenaphthylene	ND	625.1	10	10
60. Anthracene	ND	625.1	10	10
61. Benzidine	ND	625.1	50	50
62. Benzo(a)anthracene	ND	625.1	5.0	5
63. Benzo(a)pyrene	ND	625.1	5.0	5
64. 3,4-Benzofluoranthene	ND	625.1	10	10
65. Benzo(ghi)perylene	ND	625.1	20	20
66. Benzo(k)fluoranthene	ND	625.1	5.0	5
67. Bis(2-chloroethoxy) methane	ND	625.1	10	10
68. Bis(2-chloroethyl) ether	ND	625.1	10	10
69. Bis(2-chloroisopropyl) ether	ND	625.1	10	10
70. Bis(2-ethylhexyl) phthalate	ND	625.1	10	10
71. 4-Bromophenyl phenyl ether	ND	625.1	10	10
72. Butyl benzyl phthalate	ND	625.1	10	10
73. 2-Chloronapthalene	ND	625.1	10	10
74. 4-Chlorophenyl phenyl ether	ND	625.1	10	10
75. Chrysene	ND	625.1	5.0	5
76. Dibenzo (a,h) anthracene	ND	625.1	5.0	5
77. 1,2-Dichlorobenzene	ND	624.1	10	10
78. 1,3-Dichlorobenzene	ND	624.1	10	10
79. 1,4-Dichlorobenzene	ND	624.1	10	10
80. 3,3'-Dichlorobenzidine	ND	625.1	5.0	5
81. Diethyl Phthalate	ND	625.1	10	10
82. Dimethyl Phthalate	ND	625.1	10	10
83. Di-n-Butyl Phthalate	ND	625.1	10	10
84. 2,4-Dinitrotoluene	ND	625.1	10	10
85. 2,6-Dinitrotoluene	ND	625.1	10	10
86. Di-n-octyl Phthalate	ND	625.1	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
87. 1,2-Diphenylhydrazine	ND	625.1	20	20
89. Fluorene	ND	625.1	10	10
90. Hexachlorobenzene	ND	625.1	5.0	5
91. Hexachlorobutadiene	ND	625.1	10	10
92. Hexachlorocyclopentadiene	ND	625.1	10	10
93. Hexachloroethane	ND	625.1	20	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	ND	625.1	5.0	5
95. Isophorone	ND	625.1	10	10
96. Naphthalene	ND	625.1	10	10
97. Nitrobenzene	ND	625.1	10	10
98. N-nitrosodimethylamine	ND	625.1	50	50
99. N-nitrosodi-n-propylamine	ND	625.1	20	20
100. N-nitrosodiphenylamine	ND	625.1	20	20
101. Phenanthrene	ND	625.1	10	10
102. Pyrene	ND	625.1	10	10
103. 1,2,4-Trichlorobenzene	ND	625.1	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	ND	608.3	0.010	0.01
105. Alpha-BHC	ND	608.3	0.050	0.05
106. Beta-BHC	ND	608.3	0.050	0.05
107. Gamma-BHC	ND	608.3	0.050	0.05
108. Delta-BHC	ND	608.3	0.050	0.05
109. Chlordane	ND	608.3	0.20	0.2
110. 4,4'-DDT	ND	608.3	0.020	0.02
111. 4,4'-DDE (p,p-DDX)	ND	608.3	0.10	0.1
112. 4,4'-DDD 9(p,p-TDE)	ND	608.3	0.10	0.1
113. Dieldrin	ND	608.3	0.020	0.02
114. Alpha-endosulfan	ND	608.3	0.010	0.01
115. Beta-endosulfan	ND	608.3	0.020	0.02
116. Endosulfan sulfate	ND	608.3	0.10	0.1
117. Endrin	ND	608.3	0.020	0.02
118. Endrin aldehyde	ND	608.3	0.10	0.1
119. Heptachlor	ND	608.3	0.010	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	ND	608.3	0.010	0.01
130. Chlorpyrifos	ND	608.3	0.070	0.07
121. PCB-1242	ND	608.3	0.20	0.2
122. PCB-1254	ND	608.3	0.20	0.2
123. PCB-1221	ND	608.3	0.20	0.2
124. PCB-1232	ND	608.3	0.20	0.2
125. PCB-1248	ND	608.3	0.20	0.2
126. PCB-1260	ND	608.3	0.20	0.2
127. PCB-1016	ND	608.3	0.20	0.2
128. Toxaphene	ND	608.3	0.30	0.3



Georgia-Pacific Corporation
ATTN: Ms. Rachel Johnson
Post Office Box 3333
Crossett, AR 71635

This report replaces American Interplex Corporation (AIC) Control No. 271411 originally sent on January 14, 2023. This report contains the analytical results and supporting information for samples received on December 13, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

Revised to add additional analytes.

John Overbey
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Georgia-Pacific Corporation
ATTN: Ms. Rachel Johnson
rachel.johnson2@gapac.com

Georgia-Pacific Corporation
ATTN: Ms. Sarah Ross
sarah.ross@gapac.com

Georgia-Pacific Corporation
ATTN: Ms. Karen Phillips
karen.phillips@gapac.com



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 2 of 42

SAMPLE INFORMATION

Project Description:

Six (6) water sample(s) received on December 13, 2022
Permitting
P.O. No. 4500307559

Receipt Details:

A Chain of Custody was provided. The samples were delivered in six (6) ice chests.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
271411-1	Outfall 001	13-Dec-2022 0702	
271411-2	Outfall 001	13-Dec-2022 0702	
271411-3	Outfall 001	13-Dec-2022 0707	1
271411-4	SMS 002	13-Dec-2022 0702	
271411-5	SMS 002	13-Dec-2022 0752	1
271411-6	SMS 002	13-Dec-2022 0759	
271411-7	Storage Blank	13-Dec-2022 1413	

Notes:

1. Holding time was expired at time of receipt

Qualifiers:

- D Result is from a secondary dilution factor
- H Analytical holding time exceeded regulatory requirements
- J Result is less than the quantitation limit but greater than LOD
- Q Analyte is not within quality control limits
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine
- X Spiking level is invalid due to the high concentration of analyte in the spiked sample

Case Narrative:

Matrix spike for batch B13055 was not performed on any sample associated with AIC Control No. 271411.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", (SM).
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

ANALYTICAL RESULTS

AIC No. 271411-1

Sample Identification: Outfall 001 13-Dec-2022 0702

Note: Analyses were performed on a composite of four (4) samples submitted.

Analyte	Result	RL	Units	Qualifier
Total Recoverable Phenolics EPA 420.1	0.0050 Analyzed: 16-Dec-2022 0821 by 376	0.005	mg/l Batch: W81734	
Total Cyanide SM 4500-CN C,E 2016 Prep: 15-Dec-2022 0928 by 376	< 0.01 Analyzed: 15-Dec-2022 1601 by 352	0.01	mg/l Batch: W81713	
Oil and Grease EPA 1664A Prep: 19-Dec-2022 1258 by 330	< 5 Analyzed: 20-Dec-2022 1656 by 271	5	mg/l Batch: B13058	
Volatile Organic Compounds By EPA 624.1				
Acrolein EPA 624.1	< 50 Analyzed: 15-Dec-2022 1303 by 271	50	ug/l Batch: V10409	
Acrylonitrile EPA 624.1	< 20 Analyzed: 15-Dec-2022 1303 by 271	20	ug/l Batch: V10409	
Benzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Bromoform EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Carbon disulfide EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Carbon tetrachloride EPA 624.1	< 2.0 Analyzed: 15-Dec-2022 1303 by 271	2.0	ug/l Batch: V10409	
Chlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Chlorodibromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Chloroethane EPA 624.1	< 50 Analyzed: 15-Dec-2022 1303 by 271	50	ug/l Batch: V10409	
2-Chloroethyl vinyl ether EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Chloroform EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,2-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,3-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,4-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Dichlorobromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 4 of 42

ANALYTICAL RESULTS

AIC No. 271411-1 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0702

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
1,2-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
trans-1,2-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,2-Dichloropropane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,3-Dichloropropylene (Total) EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Ethylbenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
m&p-Xylenes EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Methyl bromide(Bromomethane) EPA 624.1	< 50 Analyzed: 15-Dec-2022 1303 by 271	50	ug/l Batch: V10409	
Methyl chloride(Chloromethane) EPA 624.1	< 50 Analyzed: 15-Dec-2022 1303 by 271	50	ug/l Batch: V10409	
Methylene chloride EPA 624.1	< 20 Analyzed: 15-Dec-2022 1303 by 271	20	ug/l Batch: V10409	
o-Xylene EPA 624.1	< 5.0 Analyzed: 15-Dec-2022 1303 by 271	5.0	ug/l Batch: V10409	
1,1,2,2-Tetrachloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Tetrachloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Toluene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,1,1-Trichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
1,1,2-Trichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Trichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Vinyl chloride EPA 624.1	< 10 Analyzed: 15-Dec-2022 1303 by 271	10	ug/l Batch: V10409	
Surrogate: 4-Bromofluorobenzene (83.3-107%) EPA 624.1	89.9 Analyzed: 15-Dec-2022 1303 by 271		% Batch: V10409	
Surrogate: Dibromofluoromethane (89.9-114%) EPA 624.1	113 Analyzed: 15-Dec-2022 1303 by 271		% Batch: V10409	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 5 of 42

ANALYTICAL RESULTS

AIC No. 271411-1 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0702

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
Surrogate: Toluene-D8 (90.6-104%)	93.1		%	
EPA 624.1	Analyzed: 15-Dec-2022 1303 by 271		Batch: V10409	

AIC No. 271411-2

Sample Identification: Outfall 001 13-Dec-2022 0702

Analyte	Result	RL	Units	Qualifier
Fecal Coliform	46	1	MPN/100ml	
Colilert-18	Analyzed: 13-Dec-2022 1455 by 357		Batch: M9972	

AIC No. 271411-3

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Total Organic Nitrogen	4.6	0.2	mg/l	
Calculation	Analyzed: 21-Dec-2022 1011 by 352		Batch: W81782	
Total Kjeldahl Nitrogen	10	3	mg/l	D
EPA 351.2	Analyzed: 16-Dec-2022 1137 by 352		Batch: W81705	Dil: 10
Prep: 14-Dec-2022 1530 by 376				
COD	53	10	mg/l	
HACH 8000	Analyzed: 15-Dec-2022 1109 by 100		Batch: W81718	
Chromium, Hexavalent	< 0.01	0.01	mg/l	
SM 3500-Cr B 2011	Analyzed: 14-Dec-2022 1318 by 352		Batch: W81691	
Prep: 13-Dec-2022 1620 by 352				
Ammonia as N with Distillation	5.5	0.5	mg/l	D
SM 4500-NH3 B,G 2011	Analyzed: 14-Dec-2022 1905 by 352		Batch: W81699	Dil: 5
Prep: 14-Dec-2022 1353 by 376				
Sulfide	< 0.025	0.025	mg/l	
SM 4500-S ² -G 2011	Analyzed: 19-Dec-2022 1026 by 376		Batch: W81750	
Sulfite	20	2	mg/l	H
SM 4500-SO ₃ ²⁻ -B 2011	Analyzed: 20-Dec-2022 0939 by 352		Batch: W81761	
MBAS calculated as LAS, mol wt 348	< 0.2	0.2	mg/l	
SM 5540 C 2011	Analyzed: 13-Dec-2022 1535 by 375		Batch: W81688	
Aluminum	89	40	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				
Antimony	< 60	60	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				
Barium	100	2	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				
Beryllium	< 0.5	0.5	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				
Boron	< 100	100	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1509 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				
Chromium	< 10	10	ug/l	
EPA 200.7	Analyzed: 21-Dec-2022 1509 by 328		Batch: S53571	
Prep: 20-Dec-2022 1516 by 328				



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 6 of 42

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte		Result	RL	Units	Qualifier
Cobalt		< 10	10	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Magnesium		3000	50	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1509 by 328		Batch: S53571	
Manganese		500	20	ug/l	D
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1331 by 328		Batch: S53571	Dil: 10
Molybdenum		< 10	10	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Arsenic		0.90	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Cadmium		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Lead		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Nickel		1.8	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Selenium		< 5	5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Silver		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Thallium		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1011 by 313		Batch: S53555	
Mercury		< 0.0002	0.0002	mg/l	
EPA 245.2	Prep: 14-Dec-2022 0723 by 313	Analyzed: 14-Dec-2022 1253 by 313		Batch: S53540	
Tin		< 100	100	ug/l	
Mod. EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Titanium		< 5	5	ug/l	
Mod. EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1155 by 328		Batch: S53571	
Bromide		< 0.2	0.2	mg/l	
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0834 by 330		Batch: C25818	
Fluoride		0.15	0.1	mg/l	
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0834 by 330		Batch: C25818	
Nitrate + Nitrite as N		1.4	0.5	mg/l	D
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0813 by 330		Batch: C25818	Dil: 10
Sulfate		40	0.2	mg/l	
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0834 by 330		Batch: C25818	
Base/Neutral and Acid Compounds By EPA 625.1					
Acenaphthene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Acenaphthylene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
Anthracene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Benzidine EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Benzo(a)anthracene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Benzo(a)pyrene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Benzo(g,h,i)perylene EPA 625.1	< 20	20	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Benzo(k)fluoranthene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
3,4-Benzofluoranthene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Bis(2-chloroethoxy)methane EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Bis(2-chloroethyl)ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Bis(2-chloroisopropyl)ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Bis(2-ethylhexyl)phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
4-Bromophenyl phenyl ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Butylbenzyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2-Chloronaphthalene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2-Chlorophenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
4-Chlorophenyl phenyl ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Chrysene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Di-n-butyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Di-n-octyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Dibenz(a,h)anthracene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 8 of 42

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
3,3'-Dichlorobenzidine EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2,4-Dichlorophenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Diethyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Dimethyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2,4-Dimethylphenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
4,6-Dinitro-o-cresol EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2,4-Dinitrophenol EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2,4-Dinitrotoluene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
2,6-Dinitrotoluene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
1,2-Diphenylhydrazine EPA 625.1	< 20	20	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Fluoranthene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Fluorene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Hexachlorobenzene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Hexachlorobutadiene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Hexachlorocyclopentadiene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Hexachloroethane EPA 625.1	< 20	20	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Indeno(1,2,3-cd)pyrene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
Isophorone EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
n-Nitrosodi-n-propylamine EPA 625.1	< 20	20	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	
n-Nitrosodimethylamine EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 30-Dec-2022 1915 by 271		Batch: B13055	

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
n-Nitrosodiphenylamine EPA 625.1	< 20 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	20	ug/l Batch: B13055	R
Naphthalene EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
Nitrobenzene EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
2-Nitrophenol EPA 625.1	< 20 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	20	ug/l Batch: B13055	
4-Nitrophenol EPA 625.1	< 50 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	50	ug/l Batch: B13055	
p-Chloro-m-cresol EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
Pentachlorophenol EPA 625.1	< 5.0 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	5.0	ug/l Batch: B13055	
Phenanthrene EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
Phenol EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
Pyrene EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
1,2,4-Trichlorobenzene EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
2,4,6-Trichlorophenol EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271	10	ug/l Batch: B13055	
Surrogate: 2-Fluorobiphenyl (39.1-104%) EPA 625.1	72.6 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271		% Batch: B13055	
Surrogate: 2-Fluorophenol (8.90-98.9%) EPA 625.1	55.9 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271		% Batch: B13055	
Surrogate: Nitrobenzene-D5 (34.7-119%) EPA 625.1	75.7 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271		% Batch: B13055	
Surrogate: Terphenyl-D14 (16.2-152%) EPA 625.1	106 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271		% Batch: B13055	
Surrogate: 2,4,6-Tribromophenol (2.50-148%) EPA 625.1	88.8 Prep: 16-Dec-2022 0821 by 271 Analyzed: 30-Dec-2022 1915 by 271		% Batch: B13055	
Organochlorine Pesticides and PCBs By EPA 608.3				
Aldrin EPA 608.3	< 0.010 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	0.010	ug/l Batch: G12205	
alpha-BHC EPA 608.3	< 0.050 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	0.050	ug/l Batch: G12205	

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)				
alpha-Endosulfan EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.010 0.010	ug/l Batch: G12205	
beta-BHC EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.050 0.050	ug/l Batch: G12205	
beta-Endosulfan EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.020 0.020	ug/l Batch: G12205	
cis-Chlordane EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.20 0.20	ug/l Batch: G12205	
trans-Chlordane EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.20 0.20	ug/l Batch: G12205	
Chlorpyrifos EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.070 0.070	ug/l Batch: G12205	
4,4'-DDD EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.10 0.10	ug/l Batch: G12205	
4,4'-DDE EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.10 0.10	ug/l Batch: G12205	
4,4'-DDT EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.020 0.020	ug/l Batch: G12205	
delta-BHC EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.050 0.050	ug/l Batch: G12205	
Dieldrin EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.020 0.020	ug/l Batch: G12205	
Endosulfan sulfate EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.10 0.10	ug/l Batch: G12205	
Endrin EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.020 0.020	ug/l Batch: G12205	
Endrin aldehyde EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.10 0.10	ug/l Batch: G12205	
gamma-BHC EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.050 0.050	ug/l Batch: G12205	
Heptachlor EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.010 0.010	ug/l Batch: G12205	
Heptachlor epoxide EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.010 0.010	ug/l Batch: G12205	
PCB 1016 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1221 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1232 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2129 by 271	< 0.20 0.20	ug/l Batch: G12205	

ANALYTICAL RESULTS

AIC No. 271411-3 (Continued)

Sample Identification: Outfall 001 13-Dec-2022 0707

Analyte	Result	RL	Units	Qualifier
Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)				
PCB 1242 EPA 608.3	< 0.20	0.20	ug/l	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
PCB 1248 EPA 608.3	< 0.20	0.20	ug/l	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
PCB 1254 EPA 608.3	< 0.20	0.20	ug/l	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
PCB 1260 EPA 608.3	< 0.20	0.20	ug/l	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
Toxaphene EPA 608.3	< 0.30	0.30	ug/l	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
Surrogate: Decachlorobiphenyl (1.00-119%) EPA 608.3	30.6		%	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	
Surrogate: Tetrachloro-m-xylene (22.0-117%) EPA 608.3	29.8		%	
Prep: 19-Dec-2022 1548 by 271	Analyzed: 30-Dec-2022 2129 by 271		Batch: G12205	

AIC No. 271411-4

Sample Identification: SMS 002 13-Dec-2022 0702

Note: Analyses were performed on a composite of four (4) samples submitted.

Analyte	Result	RL	Units	Qualifier
Total Recoverable Phenolics EPA 420.1	< 0.005	0.005	mg/l	
	Analyzed: 15-Dec-2022 0835 by 376		Batch: W81711	
Total Cyanide SM 4500-CN C,E 2016	< 0.01	0.01	mg/l	
Prep: 15-Dec-2022 0928 by 376	Analyzed: 15-Dec-2022 1603 by 352		Batch: W81713	
Oil and Grease EPA 1664A	11	5	mg/l	
Prep: 19-Dec-2022 1258 by 330	Analyzed: 20-Dec-2022 1656 by 271		Batch: B13058	
Volatile Organic Compounds By EPA 624.1				
Acrolein EPA 624.1	< 50	50	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Acrylonitrile EPA 624.1	< 20	20	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Benzene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Bromoform EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Carbon disulfide EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Carbon tetrachloride EPA 624.1	< 2.0	2.0	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Chlorobenzene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	

ANALYTICAL RESULTS

AIC No. 271411-4 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0702

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
Chlorodibromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
Chloroethane EPA 624.1	< 50 Analyzed: 15-Dec-2022 1333 by 271	50	ug/l Batch: V10409	
2-Chloroethyl vinyl ether EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
Chloroform EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,2-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,3-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,4-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
Dichlorobromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,2-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
trans-1,2-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,2-Dichloropropane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
1,3-Dichloropropylene (Total) EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
Ethylbenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
m&p-Xylenes EPA 624.1	< 10 Analyzed: 15-Dec-2022 1333 by 271	10	ug/l Batch: V10409	
Methyl bromide(Bromomethane) EPA 624.1	< 50 Analyzed: 15-Dec-2022 1333 by 271	50	ug/l Batch: V10409	
Methyl chloride(Chloromethane) EPA 624.1	< 50 Analyzed: 15-Dec-2022 1333 by 271	50	ug/l Batch: V10409	
Methylene chloride EPA 624.1	< 20 Analyzed: 15-Dec-2022 1333 by 271	20	ug/l Batch: V10409	
o-Xylene EPA 624.1	< 5.0 Analyzed: 15-Dec-2022 1333 by 271	5.0	ug/l Batch: V10409	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 13 of 42

ANALYTICAL RESULTS

AIC No. 271411-4 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0702

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
1,1,2,2-Tetrachloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Tetrachloroethylene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Toluene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
1,1,1-Trichloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
1,1,2-Trichloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Trichloroethylene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Vinyl chloride EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Surrogate: 4-Bromofluorobenzene (83.3-107%) EPA 624.1	89.9		%	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Surrogate: Dibromofluoromethane (89.9-114%) EPA 624.1	111		%	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	
Surrogate: Toluene-D8 (90.6-104%) EPA 624.1	93.1		%	
	Analyzed: 15-Dec-2022 1333 by 271		Batch: V10409	

AIC No. 271411-5

Sample Identification: SMS 002 13-Dec-2022 0752

Analyte	Result	RL	Units	Qualifier
Fecal Coliform Colilert-18	46	1	MPN/100ml	
	Analyzed: 13-Dec-2022 1455 by 357		Batch: M9972	

AIC No. 271411-6

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte	Result	RL	Units	Qualifier
Total Organic Nitrogen Calculation	2.0	0.2	mg/l	
	Analyzed: 21-Dec-2022 1011 by 352		Batch: W81782	
Total Kjeldahl Nitrogen EPA 351.2	3.1	0.5	mg/l	D
Prep: 14-Dec-2022 1530 by 376	Analyzed: 16-Dec-2022 1105 by 352		Batch: W81705	Dil: 2
COD HACH 8000	51	10	mg/l	
	Analyzed: 15-Dec-2022 1109 by 100		Batch: W81718	
Chromium, Hexavalent SM 3500-Cr B 2011	< 0.01	0.01	mg/l	
Prep: 13-Dec-2022 1620 by 352	Analyzed: 14-Dec-2022 1324 by 352		Batch: W81691	
Ammonia as N with Distillation SM 4500-NH3 B,G 2011	1.1	0.1	mg/l	
Prep: 14-Dec-2022 1353 by 376	Analyzed: 14-Dec-2022 1759 by 352		Batch: W81699	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 14 of 42

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte		Result	RL	Units	Qualifier
Sulfide		< 0.025	0.025	mg/l	
SM 4500-S ² G 2011		Analyzed: 19-Dec-2022 1026 by 376		Batch: W81750	
Sulfite		10	2	mg/l	H
SM 4500-SO ₃ ²⁻ B 2011		Analyzed: 20-Dec-2022 0939 by 352		Batch: W81761	
MBAS calculated as LAS, mol wt 348		0.64	0.2	mg/l	
SM 5540 C 2011		Analyzed: 13-Dec-2022 1535 by 375		Batch: W81688	
Aluminum		130	40	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Antimony		< 60	60	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Barium		100	2	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Beryllium		< 0.5	0.5	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Boron		< 100	100	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1512 by 328		Batch: S53571	
Chromium		< 10	10	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1512 by 328		Batch: S53571	
Cobalt		< 10	10	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Magnesium		3400	50	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1512 by 328		Batch: S53571	
Manganese		250	20	ug/l	D
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1334 by 328		Batch: S53571	Dil: 10
Molybdenum		< 10	10	ug/l	
EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Arsenic		1.9	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Cadmium		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Lead		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Nickel		2.7	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Selenium		< 5	5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Silver		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	
Thallium		< 0.5	0.5	ug/l	
EPA 200.8	Prep: 16-Dec-2022 0713 by 313	Analyzed: 16-Dec-2022 1015 by 313		Batch: S53555	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 15 of 42

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte		Result	RL	Units	Qualifier
Mercury		< 0.0002	0.0002	mg/l	
EPA 245.2	Prep: 14-Dec-2022 0723 by 313	Analyzed: 14-Dec-2022 1254 by 313		Batch: S53540	
Tin		< 100	100	ug/l	
Mod. EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Titanium		< 5	5	ug/l	
Mod. EPA 200.7	Prep: 20-Dec-2022 1516 by 328	Analyzed: 21-Dec-2022 1158 by 328		Batch: S53571	
Bromide		< 0.2	0.2	mg/l	
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0916 by 330		Batch: C25818	
Fluoride		0.12	0.1	mg/l	
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0916 by 330		Batch: C25818	
Nitrate + Nitrite as N		0.82	0.5	mg/l	D
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 14-Dec-2022 0855 by 330		Batch: C25818	Dil: 10
Sulfate		63	2	mg/l	D
EPA 300.0	Prep: 13-Dec-2022 1522 by 330	Analyzed: 19-Dec-2022 1358 by 330		Batch: C25818	Dil: 10

Base/Neutral and Acid Compounds By EPA 625.1

Acenaphthene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Acenaphthylene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Anthracene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Benzidine		< 50	50	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Benzo(a)anthracene		< 5.0	5.0	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Benzo(a)pyrene		< 5.0	5.0	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Benzo(g,h,i)perylene		< 20	20	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Benzo(k)fluoranthene		< 5.0	5.0	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
3,4-Benzofluoranthene		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Bis(2-chloroethoxy)methane		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Bis(2-chloroethyl)ether		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Bis(2-chloroisopropyl)ether		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Bis(2-ethylhexyl)phthalate		< 10	10	ug/l	
EPA 625.1	Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
4-Bromophenyl phenyl ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Butylbenzyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2-Chloronaphthalene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2-Chlorophenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
4-Chlorophenyl phenyl ether EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Chrysene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Di-n-butyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Di-n-octyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Dibenz(a,h)anthracene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
3,3'-Dichlorobenzidine EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2,4-Dichlorophenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Diethyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Dimethyl phthalate EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2,4-Dimethylphenol EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
4,6-Dinitro-o-cresol EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2,4-Dinitrophenol EPA 625.1	< 50	50	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2,4-Dinitrotoluene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
2,6-Dinitrotoluene EPA 625.1	< 10	10	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
1,2-Diphenylhydrazine EPA 625.1	< 20	20	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	
Fluoranthene EPA 625.1	< 5.0	5.0	ug/l	
Prep: 16-Dec-2022 0821 by 271	Analyzed: 22-Dec-2022 0225 by 271		Batch: B13055	

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
Fluorene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Hexachlorobenzene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 5.0 5.0	ug/l Batch: B13055	
Hexachlorobutadiene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Hexachlorocyclopentadiene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Hexachloroethane EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 20 20	ug/l Batch: B13055	
Indeno(1,2,3-cd)pyrene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 5.0 5.0	ug/l Batch: B13055	
Isophorone EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
n-Nitrosodi-n-propylamine EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 20 20	ug/l Batch: B13055	
n-Nitrosodimethylamine EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 50 50	ug/l Batch: B13055	
n-Nitrosodiphenylamine EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 20 20	ug/l Batch: B13055	R
Naphthalene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Nitrobenzene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
2-Nitrophenol EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 20 20	ug/l Batch: B13055	
4-Nitrophenol EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 50 50	ug/l Batch: B13055	
p-Chloro-m-cresol EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Pentachlorophenol EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 5.0 5.0	ug/l Batch: B13055	
Phenanthrene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Phenol EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
Pyrene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	
1,2,4-Trichlorobenzene EPA 625.1	Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	< 10 10	ug/l Batch: B13055	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 18 of 42

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625.1 (Continued)				
2,4,6-Trichlorophenol EPA 625.1	< 10 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271	10	ug/l Batch: B13055	
Surrogate: 2-Fluorobiphenyl (39.1-104%) EPA 625.1	75.7 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271		% Batch: B13055	
Surrogate: 2-Fluorophenol (8.90-98.9%) EPA 625.1	62.6 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271		% Batch: B13055	
Surrogate: Nitrobenzene-D5 (34.7-119%) EPA 625.1	103 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271		% Batch: B13055	
Surrogate: Terphenyl-D14 (16.2-152%) EPA 625.1	132 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271		% Batch: B13055	
Surrogate: 2,4,6-Tribromophenol (2.50-148%) EPA 625.1	473 Prep: 16-Dec-2022 0821 by 271 Analyzed: 22-Dec-2022 0225 by 271		% Batch: B13055	Q
Organochlorine Pesticides and PCBs By EPA 608.3				
Aldrin EPA 608.3	< 0.010 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.010	ug/l Batch: G12205	
alpha-BHC EPA 608.3	< 0.050 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.050	ug/l Batch: G12205	
alpha-Endosulfan EPA 608.3	< 0.010 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.010	ug/l Batch: G12205	
beta-BHC EPA 608.3	< 0.050 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.050	ug/l Batch: G12205	
beta-Endosulfan EPA 608.3	< 0.020 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.020	ug/l Batch: G12205	
cis-Chlordane EPA 608.3	< 0.20 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.20	ug/l Batch: G12205	
trans-Chlordane EPA 608.3	< 0.20 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.20	ug/l Batch: G12205	
Chlorpyrifos EPA 608.3	< 0.070 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.070	ug/l Batch: G12205	
4,4'-DDD EPA 608.3	< 0.10 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.10	ug/l Batch: G12205	
4,4'-DDE EPA 608.3	< 0.10 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.10	ug/l Batch: G12205	
4,4'-DDT EPA 608.3	< 0.020 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.020	ug/l Batch: G12205	
delta-BHC EPA 608.3	< 0.050 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.050	ug/l Batch: G12205	
Dieldrin EPA 608.3	< 0.020 Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	0.020	ug/l Batch: G12205	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 19 of 42

ANALYTICAL RESULTS

AIC No. 271411-6 (Continued)

Sample Identification: SMS 002 13-Dec-2022 0759

Analyte	Result	RL	Units	Qualifier
Organochlorine Pesticides and PCBs By EPA 608.3 (Continued)				
Endosulfan sulfate EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.10 0.10	ug/l Batch: G12205	
Endrin EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.020 0.020	ug/l Batch: G12205	
Endrin aldehyde EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.10 0.10	ug/l Batch: G12205	
gamma-BHC EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.050 0.050	ug/l Batch: G12205	
Heptachlor EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.010 0.010	ug/l Batch: G12205	
Heptachlor epoxide EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.010 0.010	ug/l Batch: G12205	
PCB 1016 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1221 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1232 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1242 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1248 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1254 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
PCB 1260 EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.20 0.20	ug/l Batch: G12205	
Toxaphene EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	< 0.30 0.30	ug/l Batch: G12205	
Surrogate: Decachlorobiphenyl (1.00-119%) EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	50.8	% Batch: G12205	
Surrogate: Tetrachloro-m-xylene (22.0-117%) EPA 608.3	Prep: 19-Dec-2022 1548 by 271 Analyzed: 30-Dec-2022 2149 by 271	66.2	% Batch: G12205	

AIC No. 271411-7

Sample Identification: Storage Blank 13-Dec-2022 1413

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1				
Acrolein EPA 624.1	Analyzed: 15-Dec-2022 1402 by 271	< 50 50	ug/l Batch: V10409	

ANALYTICAL RESULTS

AIC No. 271411-7 (Continued)

Sample Identification: Storage Blank 13-Dec-2022 1413

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
Acrylonitrile EPA 624.1	< 20 Analyzed: 15-Dec-2022 1402 by 271	20	ug/l Batch: V10409	
Benzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Bromoform EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Carbon disulfide EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Carbon tetrachloride EPA 624.1	< 2.0 Analyzed: 15-Dec-2022 1402 by 271	2.0	ug/l Batch: V10409	
Chlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Chlorodibromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Chloroethane EPA 624.1	< 50 Analyzed: 15-Dec-2022 1402 by 271	50	ug/l Batch: V10409	
2-Chloroethyl vinyl ether EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Chloroform EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,2-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,3-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,4-Dichlorobenzene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
Dichlorobromomethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,2-Dichloroethane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,1-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
trans-1,2-Dichloroethylene EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,2-Dichloropropane EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	
1,3-Dichloropropylene (Total) EPA 624.1	< 10 Analyzed: 15-Dec-2022 1402 by 271	10	ug/l Batch: V10409	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 21 of 42

ANALYTICAL RESULTS

AIC No. 271411-7 (Continued)

Sample Identification: Storage Blank 13-Dec-2022 1413

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624.1 (Continued)				
Ethylbenzene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
m&p-Xylenes EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Methyl bromide(Bromomethane) EPA 624.1	< 50	50	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Methyl chloride(Chloromethane) EPA 624.1	< 50	50	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Methylene chloride EPA 624.1	< 20	20	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
o-Xylene EPA 624.1	< 5.0	5.0	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
1,1,2,2-Tetrachloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Tetrachloroethylene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Toluene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
1,1,1-Trichloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
1,1,2-Trichloroethane EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Trichloroethylene EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Vinyl chloride EPA 624.1	< 10	10	ug/l	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Surrogate: 4-Bromofluorobenzene (83.3-107%) EPA 624.1	89.7		%	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Surrogate: Dibromofluoromethane (89.9-114%) EPA 624.1	110		%	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	
Surrogate: Toluene-D8 (90.6-104%) EPA 624.1	92.0		%	
	Analyzed: 15-Dec-2022 1402 by 271		Batch: V10409	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 22 of 42

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	271411-1	0.0050 mg/l				16Dec22 0821 by 376		Q
	Batch: W81734 Duplicate	0.0058 mg/l	24.1	10.0		16Dec22 0821 by 376		Q
Sulfite	271411-3	20 mg/l				20Dec22 0939 by 352		H
	Batch: W81761 Duplicate	20 mg/l	0.00	10.0		20Dec22 0939 by 352		H



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Kjeldahl Nitrogen	1 mg/l	117	89.7-150			W81705	14Dec22 1530 by 376	16Dec22 1058 by 352		
Total Recoverable Phenolics	0.1 mg/l	109	80.9-114			W81711		15Dec22 0835 by 376		
Total Recoverable Phenolics	0.1 mg/l	110	80.9-114			W81734		16Dec22 0821 by 376		
	0.1 mg/l	102	80.9-114	6.78	10.0	W81734		16Dec22 0821 by 376		
COD	250 mg/l	99.2	85.0-115			W81718		15Dec22 1110 by 100		
Chromium, Hexavalent	0.25 mg/l	92.6	80.0-120			W81691	13Dec22 1621 by 352	14Dec22 1316 by 352		
Total Cyanide	0.1 mg/l	102	79.2-108			W81713	15Dec22 0929 by 376	15Dec22 1541 by 352		
Ammonia as N with Distillation	1 mg/l	105	80.0-120			W81699	14Dec22 1400 by 376	14Dec22 1749 by 352		
Sulfide	0.1 mg/l	103	81.6-130			W81750		19Dec22 1027 by 376		
Sulfite	100 mg/l	79.5	63.0-92.0			W81761		20Dec22 0939 by 352		
MBAS calculated as LAS, mol wt 348	1 mg/l	83.7	75.8-126			W81688		13Dec22 1536 by 375		
Aluminum	2 mg/l	88.8	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Antimony	2 mg/l	93.2	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Barium	0.1 mg/l	88.6	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Beryllium	0.02 mg/l	96.7	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Boron	2 mg/l	93.0	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1447 by 328		
Chromium	0.2 mg/l	96.6	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1447 by 328		
Cobalt	0.2 mg/l	106	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Magnesium	4 mg/l	97.2	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1447 by 328		
Manganese	0.1 mg/l	91.6	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Molybdenum	0.2 mg/l	95.7	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Arsenic	0.02 mg/l	96.2	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Cadmium	0.02 mg/l	94.4	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Chromium	0.02 mg/l	96.0	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Lead	0.02 mg/l	95.2	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Nickel	0.02 mg/l	96.8	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Selenium	0.02 mg/l	97.1	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Silver	0.02 mg/l	98.3	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Thallium	0.02 mg/l	94.7	85.0-115			S53555	16Dec22 0713 by 313	16Dec22 0921 by 313		
Mercury	0.0025 mg/l	90.0	85.0-115			S53540	14Dec22 0724 by 313	14Dec22 1229 by 313		
Tin	2 mg/l	85.0	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Titanium	0.2 mg/l	88.1	85.0-115			S53571	20Dec22 1515 by 328	21Dec22 1137 by 328		
Bromide	25 mg/l	97.5	90.0-110			C25818	13Dec22 1617 by 330	14Dec22 0322 by 330		
Fluoride	5 mg/l	91.2	90.0-110			C25818	13Dec22 1617 by 330	14Dec22 0322 by 330		
Nitrate + Nitrite as N	10 mg/l	98.3	90.0-110			C25818	13Dec22 1617 by 330	14Dec22 0322 by 330		
Sulfate	25 mg/l	97.4	90.0-110			C25818	13Dec22 1617 by 330	14Dec22 0322 by 330		
Oil and Grease	40 mg/l	80.5	78.0-114			B13058	19Dec22 1259 by 330	20Dec22 1656 by 271		
Base/Neutral and Acid Compounds										
Acenaphthene	20 ug/l	72.4	60.0-132			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	69.0	60.0-132	4.82	48.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Acenaphthylene	20 ug/l	70.5	54.0-126			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	66.4	54.0-126	5.97	74.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Anthracene	20 ug/l	80.0	43.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	77.9	43.0-120	2.71	66.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Benzidine	100 ug/l	0.00	1.00-38.0			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		Q
	100 ug/l	0.00	1.00-38.0	0.00	47.1	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		Q
Benzo(a)anthracene	20 ug/l	79.1	42.0-133			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	76.5	42.0-133	3.35	53.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Benzo(a)pyrene	20 ug/l	82.2	32.0-148			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	85.2	32.0-148	3.50	72.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Benzo(g,h,i)perylene	20 ug/l	97.2	1.00-195			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	84.8	1.00-195	13.6	97.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Benzo(k)fluoranthene	20 ug/l	85.4	25.0-146			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	76.9	25.0-146	10.5	63.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
3,4-Benzofluoranthene	20 ug/l	86.8	42.0-140			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	79.8	42.0-140	8.42	71.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Bis(2-chloroethoxy)methane	20 ug/l	72.8	49.0-165			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	69.0	49.0-165	5.46	54.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Bis(2-chloroethyl)ether	20 ug/l	76.2	43.0-126			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	73.2	43.0-126	3.97	108	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Bis(2-chloroisopropyl)ether	20 ug/l	79.4	63.0-139			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	74.8	63.0-139	5.96	76.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Bis(2-ethylhexyl)phthalate	20 ug/l	70.5	29.0-137			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	68.7	29.0-137	2.64	82.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
4-Bromophenyl phenyl ether	20 ug/l	82.8	65.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.7	65.0-120	5.02	43.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Butylbenzyl phthalate	20 ug/l	51.3	1.00-140			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	50.1	1.00-140	2.34	60.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2-Chloronaphthalene	20 ug/l	66.7	65.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	66.0	65.0-120	1.09	24.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2-Chlorophenol	20 ug/l	70.4	36.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	67.5	36.0-120	4.23	61.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
4-Chlorophenyl phenyl ether	20 ug/l	77.6	38.0-145			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	73.8	38.0-145	5.08	61.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Chrysene	20 ug/l	81.7	44.0-140			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.0	44.0-140	4.61	87.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Di-n-butyl phthalate	20 ug/l	67.9	8.00-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	66.5	8.00-120	2.06	47.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Di-n-octyl phthalate	20 ug/l	74.5	19.0-132			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	70.4	19.0-132	5.65	69.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Dibenz(a,h)anthracene	20 ug/l	93.0	1.00-200			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	73.7	1.00-200	23.1	126	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
1,2-Dichlorobenzene	20 ug/l	67.4	52.4-101			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	64.7	52.4-101	4.10	21.1	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
1,3-Dichlorobenzene	20 ug/l	61.7	55.6-94.0			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	58.7	55.6-94.0	5.10	23.3	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
1,4-Dichlorobenzene	20 ug/l	64.8	52.2-96.8			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	61.2	52.2-96.8	5.62	21.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 25 of 42

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
3,3'-Dichlorobenzidine	20 ug/l	56.8	8.00-213			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	60.7	8.00-213	6.55	108	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4-Dichlorophenol	20 ug/l	73.1	53.0-122			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	68.7	53.0-122	6.13	50.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Diethyl phthalate	20 ug/l	61.3	1.00-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	58.7	1.00-120	4.20	100	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Dimethyl phthalate	20 ug/l	41.5	1.00-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	39.6	1.00-120	4.72	183	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4-Dimethylphenol	20 ug/l	51.7	42.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	52.8	42.0-120	2.10	58.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
4,6-Dinitro-o-cresol	20 ug/l	65.5	53.0-130			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	53.9	53.0-130	19.4	203	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4-Dinitrophenol	20 ug/l	45.4	1.00-173			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	31.1	1.00-173	37.4	132	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4-Dinitrotoluene	20 ug/l	74.3	48.0-127			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	71.3	48.0-127	4.07	42.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,6-Dinitrotoluene	20 ug/l	72.2	68.0-137			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	69.5	68.0-137	3.80	48.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
1,2-Diphenylhydrazine	20 ug/l	81.2	51.8-114			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	79.3	51.8-114	2.47	24.9	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Fluoranthene	20 ug/l	82.1	43.0-121			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.4	43.0-121	4.69	66.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Fluorene	20 ug/l	75.4	70.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	72.3	70.0-120	4.17	38.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Hexachlorobenzene	20 ug/l	81.9	8.00-142			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	79.3	8.00-142	3.19	55.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Hexachlorobutadiene	20 ug/l	61.7	38.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	61.7	38.0-120	0.0310	62.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Hexachlorocyclopentadiene	20 ug/l	60.7	42.4-112			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	57.7	42.4-112	4.99	30.2	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Hexachloroethane	20 ug/l	63.7	55.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	61.0	55.0-120	4.21	52.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Indeno(1,2,3-cd)pyrene	20 ug/l	93.5	1.00-151			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.5	1.00-151	17.4	99.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Isophorone	20 ug/l	78.0	47.0-180			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	74.5	47.0-180	4.69	93.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
n-Nitrosodi-n-propylamine	20 ug/l	82.2	14.0-198			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.3	14.0-198	4.81	87.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
n-Nitrosodimethylamine	20 ug/l	52.8	31.2-66.8			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	39.5	31.2-66.8	29.0	24.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		Q
n-Nitrosodiphenylamine	20 ug/l	78.6	49.1-111			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	77.2	49.1-111	1.81	59.1	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Naphthalene	20 ug/l	68.9	36.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	65.3	36.0-120	5.31	65.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Nitrobenzene	20 ug/l	76.9	54.0-158			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	73.7	54.0-158	4.28	62.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 26 of 42

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
2-Nitrophenol	20 ug/l	70.3	45.0-167			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	66.5	45.0-167	5.44	55.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
4-Nitrophenol	20 ug/l	56.9	13.0-129			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	56.3	13.0-129	1.11	131	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
p-Chloro-m-cresol	20 ug/l	75.1	41.0-128			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	71.7	41.0-128	4.67	73.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Pentachlorophenol	20 ug/l	52.9	38.0-152			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	39.2	38.0-152	29.8	86.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Phenanthrene	20 ug/l	82.1	65.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	78.2	65.0-120	4.87	39.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Phenol	20 ug/l	59.9	17.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	55.9	17.0-120	6.80	64.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Pyrene	20 ug/l	76.1	70.0-120			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	73.9	70.0-120	2.95	49.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
1,2,4-Trichlorobenzene	20 ug/l	67.4	57.0-130			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	64.5	57.0-130	4.37	50.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4,6-Trichlorophenol	20 ug/l	74.8	52.0-129			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	72.5	52.0-129	3.15	58.0	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	20 ug/l	73.7	48.5-108			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	69.8	48.5-108	-	-	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2-Fluorophenol	20 ug/l	65.4	32.7-96.3			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	62.3	32.7-96.3	-	-	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Nitrobenzene-D5	20 ug/l	80.3	54.1-111			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	76.4	54.1-111	-	-	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Terphenyl-D14	20 ug/l	78.9	45.7-121			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	76.3	45.7-121	-	-	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
2,4,6-Tribromophenol	20 ug/l	88.2	34.6-125			B13055	16Dec22 0822 by 271	21Dec22 2116 by 271		
	20 ug/l	81.6	34.6-125	-	-	B13055	16Dec22 0822 by 271	21Dec22 2155 by 271		
Volatile Organic Compounds										
Acrolein	250 ug/l	109	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Acrylonitrile	250 ug/l	105	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Benzene	50 ug/l	102	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Bromodichloromethane	50 ug/l	101	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Bromoform	50 ug/l	97.9	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Bromomethane	50 ug/l	115	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Carbon disulfide	100 ug/l	107	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Carbon tetrachloride	50 ug/l	103	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Chlorobenzene	50 ug/l	102	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Chloroethane	50 ug/l	100	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
2-Chloroethyl vinyl ether	100 ug/l	97.4	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Chloroform	50 ug/l	97.3	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Chloromethane	50 ug/l	101	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 27 of 42

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)										
Dibromochloromethane	50 ug/l	89.9	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,2-Dichlorobenzene	50 ug/l	105	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,3-Dichlorobenzene	50 ug/l	105	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,4-Dichlorobenzene	50 ug/l	103	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,1-Dichloroethane	50 ug/l	104	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,2-Dichloroethane	50 ug/l	100	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,1-Dichloroethene	50 ug/l	98.2	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
trans-1,2-Dichloroethene	50 ug/l	99.5	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,2-Dichloropropane	50 ug/l	105	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,3-Dichloropropylene (Total)	100 ug/l	114	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Ethylbenzene	50 ug/l	106	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
m&p-Xylenes	100 ug/l	105	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Methylene chloride	50 ug/l	94.0	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
o-Xylene	50 ug/l	108	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,1,2,2-Tetrachloroethane	50 ug/l	99.4	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Tetrachloroethene	50 ug/l	104	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Toluene	50 ug/l	103	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,1,1-Trichloroethane	50 ug/l	103	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
1,1,2-Trichloroethane	50 ug/l	104	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Trichloroethene	50 ug/l	104	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Vinyl chloride	50 ug/l	107	70.0-130			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	10 ug/l	103	85.9-112			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Dibromofluoromethane	10 ug/l	97.2	30.5-162			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Toluene-D8	10 ug/l	101	87.2-112			V10409	14Dec22 1327 by 271	14Dec22 1327 by 271		
Organochlorine Pesticides and PCBs										
Aldrin	10 ug/l	79.9	54.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	74.0	54.0-130	7.67	35.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
alpha-BHC	10 ug/l	87.7	49.0-140			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	85.9	49.0-140	2.07	36.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
alpha-Endosulfan	10 ug/l	86.5	57.0-141			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	83.5	57.0-141	3.53	28.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
beta-BHC	10 ug/l	83.9	39.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	81.2	39.0-130	3.27	44.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
beta-Endosulfan	10 ug/l	84.3	22.0-171			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	79.9	22.0-171	5.36	53.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
cis-Chlordane	10 ug/l	82.8	55.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	79.1	55.0-130	4.57	35.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
trans-Chlordane	10 ug/l	80.2	55.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	77.2	55.0-130	3.81	35.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Chlorpyrifos	10 ug/l	86.1	57.7-114			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	83.5	57.7-114	3.07	22.6	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 28 of 42

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Organochlorine Pesticides and PCBs (Continued)										
4,4'-DDD	10 ug/l	86.4	48.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	81.5	48.0-130	5.84	39.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
4,4'-DDE	10 ug/l	88.1	54.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	81.4	54.0-130	7.91	35.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
4,4'-DDT	10 ug/l	85.3	46.0-137			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	80.4	46.0-137	5.91	42.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
delta-BHC	10 ug/l	70.6	51.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	68.9	51.0-130	2.44	52.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Dieldrin	10 ug/l	82.3	58.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	80.1	58.0-130	2.71	49.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Endosulfan sulfate	10 ug/l	83.4	38.0-132			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	79.6	38.0-132	4.66	38.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Endrin	10 ug/l	85.7	51.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	82.6	51.0-130	3.68	48.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Endrin aldehyde	10 ug/l	105	45.9-134			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	99.1	45.9-134	5.59	46.6	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
gamma-BHC	10 ug/l	98.1	43.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	77.5	43.0-130	23.5	39.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Heptachlor	10 ug/l	78.7	43.0-130			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	77.0	43.0-130	2.18	43.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Heptachlor epoxide	10 ug/l	88.4	57.0-132			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	10 ug/l	80.6	57.0-132	9.23	26.0	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Organochlorine Pesticides and PCBs Surrogates:										
Decachlorobiphenyl	20 ug/l	83.6	34.9-104			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	20 ug/l	77.0	34.9-104	-	-	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		
Tetrachloro-m-xylene	20 ug/l	90.6	51.5-98.9			G12205	19Dec22 1655 by 271	30Dec22 1946 by 271		
	20 ug/l	89.4	51.5-98.9	-	-	G12205	19Dec22 1655 by 271	30Dec22 2007 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Kjeldahl Nitrogen	271411-3	1 mg/l	-	16.6-189	W81705	14Dec22 1530 by 376	16Dec22 1138 by 352	5	X
	271411-3	1 mg/l	-	16.6-189	W81705	14Dec22 1530 by 376	16Dec22 1140 by 352	5	X
	Relative Percent Difference:		8.10	12.0	W81705				D
Total Recoverable Phenolics	271411-4	0.1 mg/l	104	61.0-123	W81711		15Dec22 0835 by 376		
	271411-4	0.1 mg/l	104	61.0-123	W81711		15Dec22 0835 by 376		
	Relative Percent Difference:		0.746	10.0	W81711				
COD	271380-1	250 mg/l	101	80.0-120	W81718		15Dec22 1110 by 100		
	271380-1	250 mg/l	100	80.0-120	W81718		15Dec22 1110 by 100		
	Relative Percent Difference:		0.902	10.0	W81718				
Chromium, Hexavalent	271411-3	0.25 mg/l	88.9	80.0-120	W81691	13Dec22 1621 by 352	14Dec22 1320 by 352		
	271411-3	0.25 mg/l	91.2	80.0-120	W81691	13Dec22 1621 by 352	14Dec22 1322 by 352		
	Relative Percent Difference:		2.57	25.0	W81691				
Total Cyanide	271391-1	0.1 mg/l	81.7	57.1-117	W81713	15Dec22 0929 by 376	15Dec22 1544 by 352		
	271391-1	0.1 mg/l	86.7	57.1-117	W81713	15Dec22 0929 by 376	15Dec22 1546 by 352		
	Relative Percent Difference:		5.94	10.8	W81713				
Ammonia as N with Distillation	271422-1	1 mg/l	-	80.0-120	W81699	14Dec22 1400 by 376	15Dec22 0736 by 352	5	X
	271422-1	1 mg/l	-	80.0-120	W81699	14Dec22 1400 by 376	15Dec22 0738 by 352	5	X
	Relative Percent Difference:		0.400	25.0	W81699				D
Sulfide	271411-3	0.1 mg/l	105	85.5-132	W81750		19Dec22 1027 by 376		
	271411-3	0.1 mg/l	107	85.5-132	W81750		19Dec22 1027 by 376		
	Relative Percent Difference:		1.28	10.0	W81750				
MBAS calculated as LAS, mol wt 348	271411-3	1 mg/l	93.8	62.8-132	W81688		13Dec22 1536 by 375		
	271411-3	1 mg/l	92.4	62.8-132	W81688		13Dec22 1536 by 375		
	Relative Percent Difference:		1.46	17.3	W81688				
Aluminum	271562-1	2 mg/l	85.8	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	2 mg/l	86.6	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
	Relative Percent Difference:		0.853	20.0	S53571				
Antimony	271562-1	2 mg/l	93.9	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	2 mg/l	93.4	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
	Relative Percent Difference:		0.532	20.0	S53571				
Barium	271562-1	0.1 mg/l	-		S53571	20Dec22 1515 by 328	21Dec22 1323 by 328	10	X
	271562-1	mg/l	-		S53571	20Dec22 1515 by 328	21Dec22 1326 by 328	10	X
	Relative Percent Difference:		2.17		S53571				D
Beryllium	271562-1	0.02 mg/l	97.8	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	0.02 mg/l	98.0	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
	Relative Percent Difference:		0.306	20.0	S53571				
Boron	271562-1	2 mg/l	98.6	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1449 by 328		
	271562-1	2 mg/l	98.8	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1453 by 328		
	Relative Percent Difference:		0.194	20.0	S53571				
Chromium	271562-1	0.2 mg/l	92.4	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1449 by 328		
	271562-1	0.2 mg/l	94.1	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1453 by 328		
	Relative Percent Difference:		1.87	20.0	S53571				
Cobalt	271562-1	0.2 mg/l	93.0	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	0.2 mg/l	95.0	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
	Relative Percent Difference:		2.08	20.0	S53571				
Magnesium	271562-1	4 mg/l	-	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1500 by 328	10	X
	271562-1	4 mg/l	-	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1503 by 328	10	X
	Relative Percent Difference:		0.338	20.0	S53571				D
Manganese	271562-1	0.1 mg/l	-		S53571	20Dec22 1515 by 328	21Dec22 1323 by 328	10	X
	271562-1	mg/l	-		S53571	20Dec22 1515 by 328	21Dec22 1326 by 328	10	X
	Relative Percent Difference:		0.833		S53571				D



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 30 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Molybdenum	271562-1	0.2 mg/l	91.4	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	0.2 mg/l	96.9	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
		Relative Percent Difference:	5.73	20.0	S53571				
Arsenic	271445-3	0.02 mg/l	85.4	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	86.2	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.692	20.0	S53555				
Cadmium	271445-3	0.02 mg/l	94.7	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	94.8	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.195	20.0	S53555				
Chromium	271445-3	0.02 mg/l	93.6	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	93.4	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.207	20.0	S53555				
Lead	271445-3	0.02 mg/l	93.2	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	92.9	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.311	20.0	S53555				
Nickel	271445-3	0.02 mg/l	95.1	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	93.3	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	1.59	20.0	S53555				
Selenium	271445-3	0.02 mg/l	92.0	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	89.9	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	2.21	20.0	S53555				
Silver	271445-3	0.02 mg/l	92.4	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	92.6	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.199	20.0	S53555				
Thallium	271445-3	0.02 mg/l	94.7	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0907 by 313		
	271445-3	0.02 mg/l	93.8	75.0-125	S53555	16Dec22 0713 by 313	16Dec22 0911 by 313		
		Relative Percent Difference:	0.979	20.0	S53555				
Mercury	271399-1	0.0025 mg/l	95.9	75.0-125	S53540	14Dec22 0724 by 313	14Dec22 1235 by 313		
	271399-1	0.0025 mg/l	93.7	75.0-125	S53540	14Dec22 0724 by 313	14Dec22 1237 by 313		
		Relative Percent Difference:	2.30	20.0	S53540				
Tin	271562-1	2 mg/l	83.0	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	2 mg/l	83.6	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
		Relative Percent Difference:	0.720	20.0	S53571				
Titanium	271562-1	0.2 mg/l	84.9	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1140 by 328		
	271562-1	0.2 mg/l	86.6	75.0-125	S53571	20Dec22 1515 by 328	21Dec22 1144 by 328		
		Relative Percent Difference:	2.04	20.0	S53571				
Bromide	271427-1	25 mg/l	94.4	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0343 by 330		
	271427-1	25 mg/l	94.3	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0404 by 330		
		Relative Percent Difference:	0.123	10.0	C25818				
Fluoride	271427-1	5 mg/l	88.8	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0343 by 330		
	271427-1	5 mg/l	88.3	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0404 by 330		
		Relative Percent Difference:	0.542	10.0	C25818				
Nitrate + Nitrite as N	271427-1	10 mg/l	95.5	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0343 by 330		
	271427-1	10 mg/l	95.3	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0404 by 330		
		Relative Percent Difference:	0.258	10.0	C25818				
Sulfate	271427-1	25 mg/l	94.6	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0343 by 330		
	271427-1	25 mg/l	93.8	80.0-120	C25818	13Dec22 1617 by 330	14Dec22 0404 by 330		
		Relative Percent Difference:	0.778	10.0	C25818				
Oil and Grease	271410-3	40 mg/l	91.5	78.0-114	B13058	19Dec22 1344 by 330	20Dec22 1656 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 31 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds									
Acenaphthene	271413-1	20 ug/l	75.4	47.0-145	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	74.2	47.0-145	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.58	48.0	B13055				
Acenaphthylene	271413-1	20 ug/l	72.0	33.0-145	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	70.7	33.0-145	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.81	74.0	B13055				
Anthracene	271413-1	20 ug/l	80.1	27.0-133	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	81.2	27.0-133	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.44	66.0	B13055				
Benzidine	271413-1	100 ug/l	0.00	1.00-50.6	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		Q
	271413-1	100 ug/l	0.00	1.00-50.6	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		Q
	Relative Percent Difference:		0.00	47.1	B13055				
Benzo(a)anthracene	271413-1	20 ug/l	77.0	33.0-143	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	78.8	33.0-143	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.28	53.0	B13055				
Benzo(a)pyrene	271413-1	20 ug/l	86.6	17.0-163	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	91.0	17.0-163	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		5.01	72.0	B13055				
Benzo(g,h,i)perylene	271413-1	20 ug/l	112	1.00-219	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	111	1.00-219	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.667	97.0	B13055				
Benzo(k)fluoranthene	271413-1	20 ug/l	88.1	11.0-162	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	90.4	11.0-162	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.50	63.0	B13055				
3,4-Benzofluoranthene	271413-1	20 ug/l	83.6	24.0-159	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	88.1	24.0-159	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		5.24	71.0	B13055				
Bis(2-chloroethoxy)methane	271413-1	20 ug/l	75.9	33.0-184	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	72.8	33.0-184	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		4.26	54.0	B13055				
Bis(2-chloroethyl)ether	271413-1	20 ug/l	77.2	12.0-158	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.9	12.0-158	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.62	108	B13055				
Bis(2-chloroisopropyl)ether	271413-1	20 ug/l	80.4	36.0-166	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	77.8	36.0-166	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		3.29	76.0	B13055				
Bis(2-ethylhexyl)phthalate	271413-1	20 ug/l	64.8	8.00-158	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	64.4	8.00-158	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.612	82.0	B13055				
4-Bromophenyl phenyl ether	271413-1	20 ug/l	85.6	53.0-127	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	88.0	53.0-127	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.68	43.0	B13055				
Butylbenzyl phthalate	271413-1	20 ug/l	57.8	1.00-152	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	56.2	1.00-152	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.83	60.0	B13055				
2-Chloronaphthalene	271413-1	20 ug/l	72.9	60.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	71.2	60.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.32	24.0	B13055				



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chlorophenol	271413-1	20 ug/l	69.2	23.0-134	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	70.1	23.0-134	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.30	61.0	B13055				
4-Chlorophenyl phenyl ether	271413-1	20 ug/l	79.8	25.0-158	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	78.4	25.0-158	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.85	61.0	B13055				
Chrysene	271413-1	20 ug/l	82.6	17.0-168	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	82.7	17.0-168	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.141	87.0	B13055				
Di-n-butyl phthalate	271413-1	20 ug/l	74.3	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	72.7	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.26	47.0	B13055				
Di-n-octyl phthalate	271413-1	20 ug/l	68.0	4.00-146	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	68.0	4.00-146	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.0904	69.0	B13055				
Dibenz(a,h)anthracene	271413-1	20 ug/l	103	1.00-227	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	108	1.00-227	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		4.47	126	B13055				
1,2-Dichlorobenzene	271413-1	20 ug/l	69.0	57.2-90.0	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	67.1	57.2-90.0	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.82	21.1	B13055				
1,3-Dichlorobenzene	271413-1	20 ug/l	62.9	54.7-87.1	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	61.4	54.7-87.1	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.45	23.3	B13055				
1,4-Dichlorobenzene	271413-1	20 ug/l	66.5	57.1-86.1	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	66.1	57.1-86.1	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.604	21.0	B13055				
3,3'-Dichlorobenzidine	271413-1	20 ug/l	12.9	1.00-262	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	16.5	1.00-262	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		24.2	108	B13055				
2,4-Dichlorophenol	271413-1	20 ug/l	76.2	39.0-135	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.7	39.0-135	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.648	50.0	B13055				
Diethyl phthalate	271413-1	20 ug/l	66.5	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	62.2	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		6.74	100	B13055				
Dimethyl phthalate	271413-1	20 ug/l	49.9	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	44.7	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		10.9	183	B13055				
2,4-Dimethylphenol	271413-1	20 ug/l	33.8	32.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	56.7	32.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		50.6	58.0	B13055				
4,6-Dinitro-o-cresol	271413-1	20 ug/l	92.0	1.00-181	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	92.6	1.00-181	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.648	203	B13055				
2,4-Dinitrophenol	271413-1	20 ug/l	85.7	1.00-191	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	84.2	1.00-191	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.81	132	B13055				
2,4-Dinitrotoluene	271413-1	20 ug/l	77.1	39.0-139	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	74.9	39.0-139	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.83	42.0	B13055				



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Base/Neutral and Acid Compounds (Continued)									
2,6-Dinitrotoluene	271413-1	20 ug/l	77.8	50.0-158	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.9	50.0-158	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.41	48.0	B13055				
1,2-Diphenylhydrazine	271413-1	20 ug/l	93.0	31.7-136	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	92.0	31.7-136	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.07	24.9	B13055				
Fluoranthene	271413-1	20 ug/l	83.5	26.0-137	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	83.8	26.0-137	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.383	66.0	B13055				
Fluorene	271413-1	20 ug/l	77.1	59.0-121	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	77.1	59.0-121	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.111	38.0	B13055				
Hexachlorobenzene	271413-1	20 ug/l	85.5	1.00-152	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	84.5	1.00-152	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.15	55.0	B13055				
Hexachlorobutadiene	271413-1	20 ug/l	64.0	24.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	61.4	24.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		4.20	62.0	B13055				
Hexachlorocyclopentadiene	271413-1	20 ug/l	55.1	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	51.6	1.00-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		6.58	30.2	B13055				
Hexachloroethane	271413-1	20 ug/l	64.2	40.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	63.3	40.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.42	52.0	B13055				
Indeno(1,2,3-cd)pyrene	271413-1	20 ug/l	106	1.00-171	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	114	1.00-171	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		7.26	99.0	B13055				
Isophorone	271413-1	20 ug/l	80.5	21.0-196	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	78.0	21.0-196	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		3.09	93.0	B13055				
n-Nitrosodi-n-propylamine	271413-1	20 ug/l	84.2	1.00-230	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	80.7	1.00-230	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		4.20	87.0	B13055				
n-Nitrosodimethylamine	271413-1	20 ug/l	50.0	34.0-57.8	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	57.1	34.0-57.8	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		13.2	24.0	B13055				
n-Nitrosodiphenylamine	271413-1	20 ug/l	86.7	29.4-125	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	88.8	29.4-125	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.38	59.1	B13055				
Naphthalene	271413-1	20 ug/l	70.7	21.0-133	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	68.8	21.0-133	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		2.80	65.0	B13055				
Nitrobenzene	271413-1	20 ug/l	81.2	35.0-180	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.8	35.0-180	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		6.97	62.0	B13055				
2-Nitrophenol	271413-1	20 ug/l	72.9	29.0-182	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	72.5	29.0-182	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.615	55.0	B13055				



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
4-Nitrophenol	271413-1	20 ug/l	74.9	1.00-132	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.5	1.00-132	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.834	131	B13055				
p-Chloro-m-cresol	271413-1	20 ug/l	76.1	22.0-147	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	74.8	22.0-147	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.71	73.0	B13055				
Pentachlorophenol	271413-1	20 ug/l	85.5	14.0-176	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	90.2	14.0-176	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		5.38	86.0	B13055				
Phenanthrene	271413-1	20 ug/l	84.0	54.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	84.5	54.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.596	39.0	B13055				
Phenol	271413-1	20 ug/l	58.4	5.00-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	57.9	5.00-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		0.732	64.0	B13055				
Pyrene	271413-1	20 ug/l	73.0	52.0-120	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	75.4	52.0-120	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		3.25	49.0	B13055				
1,2,4-Trichlorobenzene	271413-1	20 ug/l	67.6	44.0-142	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	65.3	44.0-142	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		3.38	50.0	B13055				
2,4,6-Trichlorophenol	271413-1	20 ug/l	83.1	37.0-144	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	81.7	37.0-144	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
	Relative Percent Difference:		1.70	58.0	B13055				
Base/Neutral and Acid Compounds Surrogates:									
2-Fluorobiphenyl	271413-1	20 ug/l	78.9	39.1-104	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	76.0	39.1-104	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
2-Fluorophenol	271413-1	20 ug/l	64.5	8.90-98.9	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	60.6	8.90-98.9	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
Nitrobenzene-D5	271413-1	20 ug/l	81.7	34.7-119	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	79.9	34.7-119	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
Terphenyl-D14	271413-1	20 ug/l	76.1	16.2-152	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	79.2	16.2-152	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
2,4,6-Tribromophenol	271413-1	20 ug/l	94.4	2.50-148	B13055	16Dec22 0822 by 271	21Dec22 2234 by 271		
	271413-1	20 ug/l	97.6	2.50-148	B13055	16Dec22 0822 by 271	21Dec22 2313 by 271		
Volatile Organic Compounds									
Acrolein	271399-1	250 ug/l	107	40.0-160	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	250 ug/l	107	40.0-160	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.591	60.0	V10409				D
Acrylonitrile	271399-1	250 ug/l	100	40.0-160	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	250 ug/l	102	40.0-160	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.64	60.0	V10409				D
Benzene	271399-1	50 ug/l	98.1	37.0-151	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.3	37.0-151	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.83	61.0	V10409				D
Bromodichloromethane	271399-1	50 ug/l	96.5	35.0-155	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	95.3	35.0-155	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.25	56.0	V10409				D



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 35 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Bromoform	271399-1	50 ug/l	94.4	45.0-169	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	94.6	45.0-169	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.207	42.0	V10409				D
Bromomethane	271399-1	50 ug/l	92.5	1.00-242	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	87.0	1.00-242	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		6.05	61.0	V10409				D
Carbon disulfide	271399-1	100 ug/l	104	80.6-129	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	100 ug/l	100	80.6-129	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.96	40.7	V10409				D
Carbon tetrachloride	271399-1	50 ug/l	98.4	70.0-140	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	93.8	70.0-140	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		4.79	41.0	V10409				D
Chlorobenzene	271399-1	50 ug/l	97.1	37.0-160	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.5	37.0-160	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.605	53.0	V10409				D
Chloroethane	271399-1	50 ug/l	93.9	14.0-230	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	90.4	14.0-230	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		3.71	78.0	V10409				D
2-Chloroethyl vinyl ether	271399-1	100 ug/l	97.8	1.00-305	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	100 ug/l	98.8	1.00-305	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.977	71.0	V10409				D
Chloroform	271399-1	50 ug/l	93.1	51.0-138	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	90.5	51.0-138	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.79	54.0	V10409				D
Chloromethane	271399-1	50 ug/l	93.3	1.00-273	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	92.2	1.00-273	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.18	60.0	V10409				D
Dibromochloromethane	271399-1	50 ug/l	87.9	53.0-149	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	86.1	53.0-149	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.10	50.0	V10409				D
1,2-Dichlorobenzene	271399-1	50 ug/l	101	18.0-190	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	100	18.0-190	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.616	57.0	V10409				D
1,3-Dichlorobenzene	271399-1	50 ug/l	99.9	59.0-156	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	99.7	59.0-156	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.169	43.0	V10409				D
1,4-Dichlorobenzene	271399-1	50 ug/l	98.5	18.0-190	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	99.7	18.0-190	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.18	57.0	V10409				D
1,1-Dichloroethane	271399-1	50 ug/l	95.5	59.0-155	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	94.0	59.0-155	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.55	40.0	V10409				D
1,2-Dichloroethane	271399-1	50 ug/l	96.9	49.0-155	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.1	49.0-155	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.829	49.0	V10409				D
1,1-Dichloroethene	271399-1	50 ug/l	92.6	1.00-234	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	93.5	1.00-234	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		0.931	32.0	V10409				D
trans-1,2-Dichloroethene	271399-1	50 ug/l	97.2	54.0-156	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	93.7	54.0-156	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		3.61	45.0	V10409				D



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 36 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)									
1,2-Dichloropropane	271399-1	50 ug/l	101	1.00-210	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	98.1	1.00-210	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.47	55.0	V10409				D
1,3-Dichloropropylene (Total)	271399-1	100 ug/l	108	70.3-127	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	100 ug/l	106	70.3-127	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.28	42.1	V10409				D
Ethylbenzene	271399-1	50 ug/l	102	37.0-162	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	99.2	37.0-162	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.49	63.0	V10409				D
m&p-Xylenes	271399-1	100 ug/l	101	79.2-129	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	100 ug/l	98.3	79.2-129	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.43	43.6	V10409				D
Methylene chloride	271399-1	50 ug/l	89.2	1.00-221	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	87.5	1.00-221	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.94	28.0	V10409				D
o-Xylene	271399-1	50 ug/l	103	84.5-126	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	100	84.5-126	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.38	37.0	V10409				D
1,1,2,2-Tetrachloroethane	271399-1	50 ug/l	95.3	46.0-157	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.5	46.0-157	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.28	61.0	V10409				D
Tetrachloroethene	271399-1	50 ug/l	99.9	64.0-148	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.3	64.0-148	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		3.66	39.0	V10409				D
Toluene	271399-1	50 ug/l	98.8	47.0-150	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	97.5	47.0-150	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.26	41.0	V10409				D
1,1,1-Trichloroethane	271399-1	50 ug/l	98.6	52.0-162	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.4	52.0-162	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.21	36.0	V10409				D
1,1,2-Trichloroethane	271399-1	50 ug/l	101	52.0-150	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	100	52.0-150	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		1.10	45.0	V10409				D
Trichloroethene	271399-1	50 ug/l	100	70.0-157	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	97.3	70.0-157	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		2.93	48.0	V10409				D
Vinyl chloride	271399-1	50 ug/l	100	1.00-251	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	50 ug/l	96.7	1.00-251	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
	Relative Percent Difference:		3.66	66.0	V10409				D
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	271399-1	10 ug/l	104	83.3-107	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	10 ug/l	104	83.3-107	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
Dibromofluoromethane	271399-1	10 ug/l	97.7	89.9-114	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	10 ug/l	96.6	89.9-114	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D
Toluene-D8	271399-1	10 ug/l	101	90.6-104	V10409	14Dec22 1554 by 271	14Dec22 1554 by 271	100	D
	271399-1	10 ug/l	99.7	90.6-104	V10409	14Dec22 1624 by 271	14Dec22 1624 by 271	100	D



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 37 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	DII	Qual
Organochlorine Pesticides and PCBs									
Aldrin	271399-1	10 ug/l	51.3	42.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	51.8	42.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		0.970	35.0	G12205				
alpha-BHC	271399-1	10 ug/l	60.2	37.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	72.8	37.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		18.9	36.0	G12205				
alpha-Endosulfan	271399-1	10 ug/l	64.2	45.0-153	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	61.1	45.0-153	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		4.95	28.0	G12205				
beta-BHC	271399-1	10 ug/l	56.2	17.0-147	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	54.5	17.0-147	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		3.07	44.0	G12205				
beta-Endosulfan	271399-1	10 ug/l	58.2	1.00-202	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	60.1	1.00-202	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		3.21	53.0	G12205				
cis-Chlordane	271399-1	10 ug/l	59.3	45.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	58.8	45.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		0.847	35.0	G12205				
trans-Chlordane	271399-1	10 ug/l	58.6	45.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	60.9	45.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		3.85	35.0	G12205				
Chlorpyrifos	271399-1	10 ug/l	62.1	13.4-146	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	61.7	13.4-146	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		0.646	22.6	G12205				
4,4'-DDD	271399-1	10 ug/l	59.5	31.0-141	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	61.6	31.0-141	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		3.47	39.0	G12205				
4,4'-DDE	271399-1	10 ug/l	58.7	30.0-145	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	66.4	30.0-145	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		12.3	35.0	G12205				
4,4'-DDT	271399-1	10 ug/l	58.8	25.0-160	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	61.3	25.0-160	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		4.16	42.0	G12205				
delta-BHC	271399-1	10 ug/l	46.9	19.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	47.9	19.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		2.11	52.0	G12205				
Dieldrin	271399-1	10 ug/l	57.3	36.0-146	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	58.9	36.0-146	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		2.75	49.0	G12205				
Endosulfan sulfate	271399-1	10 ug/l	59.6	26.0-144	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	62.7	26.0-144	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		5.07	38.0	G12205				
Endrin	271399-1	10 ug/l	59.7	30.0-147	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	61.3	30.0-147	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		2.64	48.0	G12205				
Endrin aldehyde	271399-1	10 ug/l	70.7	7.70-165	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	65.4	7.70-165	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		7.79	46.6	G12205				



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 38 of 42

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
gamma-BHC	271399-1	10 ug/l	58.4	32.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	53.6	32.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		8.57	39.0	G12205				
Heptachlor	271399-1	10 ug/l	59.2	34.0-140	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	59.1	34.0-140	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		0.169	43.0	G12205				
Heptachlor epoxide	271399-1	10 ug/l	63.4	37.0-142	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	10 ug/l	58.8	37.0-142	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
	Relative Percent Difference:		7.53	26.0	G12205				
Organochlorine Pesticides and PCBs Surrogates:									
Decachlorobiphenyl	271399-1	20 ug/l	63.0	1.00-119	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	20 ug/l	65.1	1.00-119	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		
Tetrachloro-m-xylene	271399-1	20 ug/l	68.4	22.0-117	G12205	19Dec22 1655 by 271	30Dec22 2027 by 271		
	271399-1	20 ug/l	72.8	22.0-117	G12205	19Dec22 1655 by 271	30Dec22 2048 by 271		



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 39 of 42

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Kjeldahl Nitrogen	< 0.5 mg/l	0.5	0.5	W81705-1	14Dec22 1530 by 376	16Dec22 1056 by 352	D
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W81711-1		15Dec22 0835 by 376	
Total Recoverable Phenolics	< 0.0050 mg/l	0.0050	0.005	W81734-1		16Dec22 0821 by 376	
COD	< 8 mg/l	8	10	W81718-1		15Dec22 1110 by 100	
Chromium, Hexavalent	< 0.010 mg/l	0.010	0.01	W81691-1	13Dec22 1621 by 352	14Dec22 1313 by 352	
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W81713-1	15Dec22 0929 by 376	15Dec22 1539 by 352	
Ammonia as N with Distillation	< 0.1 mg/l	0.1	0.1	W81699-5	14Dec22 1400 by 376	14Dec22 1747 by 352	
Sulfide	< 0.013 mg/l	0.013	0.025	W81750-1		19Dec22 1027 by 376	
Sulfite	< 2.0 mg/l	2.0	2	W81761-1		20Dec22 0939 by 352	
MBAS calculated as LAS, mol wt 348	< 0.12 mg/l	0.12	0.2	W81688-1		13Dec22 1536 by 375	
Aluminum	< 0.02 mg/l	0.02	0.04	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Antimony	< 0.03 mg/l	0.03	0.06	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Barium	< 0.001 mg/l	0.001	0.002	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Beryllium	< 0.0003 mg/l	0.0003	0.0005	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Boron	< 0.05 mg/l	0.05	0.1	S53571-1	20Dec22 1515 by 328	21Dec22 1444 by 328	
Chromium	< 0.005 mg/l	0.005	0.01	S53571-1	20Dec22 1515 by 328	21Dec22 1444 by 328	
Cobalt	< 0.005 mg/l	0.005	0.01	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Magnesium	< 0.03 mg/l	0.03	0.05	S53571-1	20Dec22 1515 by 328	21Dec22 1444 by 328	
Manganese	< 0.001 mg/l	0.001	0.002	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Molybdenum	< 0.005 mg/l	0.005	0.01	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Arsenic	< 0.0004 mg/l	0.0004	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Lead	< 0.0003 mg/l	0.0003	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Nickel	< 0.0003 mg/l	0.0003	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Selenium	< 0.001 mg/l	0.001	0.002	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Silver	< 0.0003 mg/l	0.0003	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Thallium	< 0.0003 mg/l	0.0003	0.0005	S53555-1	16Dec22 0713 by 313	16Dec22 0901 by 313	
Mercury	< 0.0001 mg/l	0.0001	0.0002	S53540-1	14Dec22 0724 by 313	14Dec22 1227 by 313	
Tin	< 0.05 mg/l	0.05	0.1	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Titanium	< 0.003 mg/l	0.003	0.005	S53571-1	20Dec22 1515 by 328	21Dec22 1134 by 328	
Bromide	< 0.1 mg/l	0.1	0.2	C25818-1	13Dec22 1617 by 330	14Dec22 0302 by 330	
Fluoride	< 0.08 mg/l	0.08	0.1	C25818-1	13Dec22 1617 by 330	14Dec22 0302 by 330	
Nitrate + Nitrite as N	< 0.03 mg/l	0.03	0.05	C25818-1	13Dec22 1617 by 330	14Dec22 0302 by 330	
Sulfate	< 0.2 mg/l	0.2	0.2	C25818-1	13Dec22 1617 by 330	14Dec22 0302 by 330	
Oil and Grease	< 2.0 mg/l	2.0	5	B13058-1	19Dec22 1259 by 330	20Dec22 1656 by 271	
Base/Neutral and Acid Compounds							
Acenaphthene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Acenaphthylene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Anthracene	< 2.7 ug/l	2.7	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Benzidine	< 49 ug/l	49	50	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Benzo(a)anthracene	< 2.6 ug/l	2.6	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Benzo(a)pyrene	< 2.6 ug/l	2.6	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Benzo(g,h,i)perylene	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Benzo(k)fluoranthene	< 3.1 ug/l	3.1	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
3,4-Benzofluoranthene	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Bis(2-chloroethoxy)methane	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Bis(2-chloroethyl)ether	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Bis(2-chloroisopropyl)ether	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Bis(2-ethylhexyl)phthalate	< 3.2 ug/l	3.2	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
4-Bromophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 40 of 42

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Butylbenzyl phthalate	< 3.1 ug/l	3.1	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2-Chloronaphthalene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2-Chlorophenol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
4-Chlorophenyl phenyl ether	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Chrysene	< 2.8 ug/l	2.8	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Di-n-butyl phthalate	< 2.7 ug/l	2.7	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Di-n-octyl phthalate	< 3.8 ug/l	3.8	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Dibenz(a,h)anthracene	< 4.0 ug/l	4.0	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
3,3'-Dichlorobenzidine	< 2.7 ug/l	2.7	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4-Dichlorophenol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Diethyl phthalate	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Dimethyl phthalate	< 2.0 ug/l	2.0	4.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4-Dimethylphenol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
4,6-Dinitro-o-cresol	< 5.6 ug/l	5.6	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4-Dinitrophenol	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,6-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
1,2-Diphenylhydrazine	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Fluoranthene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Fluorene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Hexachlorobenzene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Hexachlorobutadiene	< 1.7 ug/l	1.7	2.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Hexachlorocyclopentadiene	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Hexachloroethane	< 2.0 ug/l	2.0	4.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Indeno(1,2,3-cd)pyrene	< 4.1 ug/l	4.1	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Isophorone	4.0 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	J
n-Nitrosodi-n-propylamine	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
n-Nitrosodimethylamine	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
n-Nitrosodiphenylamine	< 5.0 ug/l	5.0	10	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	R
Naphthalene	< 2.0 ug/l	2.0	4.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Nitrobenzene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2-Nitrophenol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
4-Nitrophenol	< 3.7 ug/l	3.7	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
p-Chloro-m-cresol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Pentachlorophenol	< 3.7 ug/l	3.7	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Phenanthrene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Phenol	< 2.0 ug/l	2.0	4.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Pyrene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
1,2,4-Trichlorobenzene	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4,6-Trichlorophenol	< 2.5 ug/l	2.5	5.0	B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (48.5-108%)	73.2 %			B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2-Fluorophenol (32.7-96.3%)	62.3 %			B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Nitrobenzene-D5 (54.1-111%)	78.3 %			B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Terphenyl-D14 (45.7-121%)	72.7 %			B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
2,4,6-Tribromophenol (34.6-125%)	74.1 %			B13055-1	16Dec22 0822 by 271	21Dec22 2037 by 271	
Volatile Organic Compounds							
Acrolein	< 20 ug/l	20	20	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Acrylonitrile	< 5.6 ug/l	5.6	10	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 41 of 42

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Volatile Organic Compounds							
Benzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Bromoform	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Carbon disulfide	< 5.8 ug/l	5.8	10	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Carbon tetrachloride	< 1.8 ug/l	1.8	2.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Chlorobenzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Chlorodibromomethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Chloroethane	< 2.9 ug/l	2.9	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
2-Chloroethyl vinyl ether	< 5.0 ug/l	5.0	10	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Chloroform	< 2.1 ug/l	2.1	4.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,2-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,3-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,4-Dichlorobenzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Dichlorobromomethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,1-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,2-Dichloroethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,1-Dichloroethylene	< 2.6 ug/l	2.6	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
trans-1,2-Dichloroethylene	< 1.5 ug/l	1.5	2.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,2-Dichloropropane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,3-Dichloropropylene (Total)	< 5.0 ug/l	5.0	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Ethylbenzene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
m&p-Xylenes	< 5.9 ug/l	5.9	10	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Methyl bromide(Bromomethane)	< 2.8 ug/l	2.8	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Methyl chloride(Chloromethane)	< 2.7 ug/l	2.7	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Methylene chloride	< 4.7 ug/l	4.7	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
o-Xylene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,1,2,2-Tetrachloroethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Tetrachloroethylene	< 2.6 ug/l	2.6	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Toluene	< 3.2 ug/l	3.2	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,1,1-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
1,1,2-Trichloroethane	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Trichloroethylene	< 2.5 ug/l	2.5	5.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Vinyl chloride	< 1.6 ug/l	1.6	2.0	V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (85.9-112%)	98.3 %			V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Dibromofluoromethane (30.5-162%)	95.7 %			V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Toluene-D8 (87.2-112%)	98.8 %			V10409-1	14Dec22 1455 by 271	14Dec22 1455 by 271	
Organochlorine Pesticides and PCBs							
Aldrin	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
alpha-BHC	< 0.0037 ug/l	0.0037	0.0050	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
alpha-Endosulfan	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
beta-BHC	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
beta-Endosulfan	< 0.0062 ug/l	0.0062	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
cis-Chlordane	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
trans-Chlordane	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Chlorpyrifos	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
4,4'-DDD	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
4,4'-DDE	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
4,4'-DDT	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
delta-BHC	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	



Georgia-Pacific Corporation
Post Office Box 3333
Crossett, AR 71635

January 26, 2023
Control No. 271411R
Page 42 of 42

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Organochlorine Pesticides and PCBs							
Dieldrin	< 0.0036 ug/l	0.0036	0.0050	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Endosulfan sulfate	< 0.010 ug/l	0.010	0.020	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Endrin	< 0.0053 ug/l	0.0053	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Endrin aldehyde	< 0.042 ug/l	0.042	0.050	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
gamma-BHC	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Heptachlor	< 0.0044 ug/l	0.0044	0.0050	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Heptachlor epoxide	< 0.0050 ug/l	0.0050	0.010	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1016	< 0.056 ug/l	0.056	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1221	< 0.10 ug/l	0.10	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1232	< 0.10 ug/l	0.10	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1242	< 0.10 ug/l	0.10	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1248	< 0.10 ug/l	0.10	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1254	< 0.10 ug/l	0.10	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
PCB 1260	< 0.050 ug/l	0.050	0.10	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Toxaphene	< 0.16 ug/l	0.16	0.20	G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Organochlorine Pesticides and PCBs Surrogates:							
Decachlorobiphenyl (34.9-104%)	77.8 %			G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	
Tetrachloro-m-xylene (51.5-98.9%)	86.2 %			G12205-1	19Dec22 1655 by 271	30Dec22 1925 by 271	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 2

Client: <u>Georgia-Pacific Crossett LLC</u>			PO No.		NO OF B O T T L E S	ANALYSES REQUESTED										AIC CONTROL NO: <u>271411</u>	
Project Reference: <u>Permitting</u>						ORC	CN.T	Phenolics	VOA.624	Fecal Coliform	Other Form 201 PPS analysis	AIC PROPOSAL NO:					
Project Manager: <u>Rachel Johnson</u>			MATRIX									Carrier: <u>R.J.</u>					
Sampled By: <u>Rachel Johnson</u>			W	S								Received on ice? Temp.					
AIC No.	Sample Identification	Date/Time Collected	GRAB	COMPOSITE	WATER	SOIL							Yes	No	2.9 °C		
1	Outfall 001	12-12-22/7:26am						6	✓	✓	✓	✓				Remarks <u>4.7</u> <u>5.8</u>	
1	Outfall 001	12-12-22/1:37pm						6	✓	✓	✓	✓					
1	Outfall 001	12-12-22/6:36pm						6	✓	✓	✓	✓					
1	Outfall 001	12-13-22/7:02am						6	✓	✓	✓	✓					
2	Outfall 001	12-13-22/7:02am						1									
3	Outfall 001	12-13-22/7:07am						27									
Container Type									G	P	G	V	P	Field pH calibration on _____ @ _____			
Preservative									S	B	S	NO	T	Buffer: _____			
G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate			NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate A = (NH ₄) ₂ SO ₄ , NH ₄ OH														
Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN _____ DAYS						Relinquished By: <u>Rachel Johnson</u>		Date/Time <u>12-13-22/12:57pm</u>		Received By:		Date/Time					
Expedited results requested by: _____						Relinquished By:		Date/Time		Received in Lab By: <u>D. BROWN</u>		Date/Time <u>12-13-22 1257</u>					
Who should AIC contact with questions: _____						Comments:											
Contact Phone: _____																	
Report Attention to: _____																	
Email Address: _____																	

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 2 OF 2

Client: <u>Georgia-Pacific Crossett LLC</u>			PO No.		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO: <u>271411</u>		
Project Reference: <u>Permitting</u>			MATRIX			OTGCN.TPhenolicsVOA. 624Fecal ColiformOther Form 201 + PPS Analysis										AIC PROPOSAL NO:		
Project Manager: <u>Rachel Johnson</u>			G R A B	C O M P	W A T E R											S O I L		
Sampled By: <u>Rachel Johnson</u>																	Received on ice? ☒ Yes ☐ No	
AIC No.	Sample Identification	Date/Time Collected															Remarks	
4	SMS 002	12-12-22/8:13am	✓		✓		6	✓	✓	✓	✓						5.7	
4	SMS 002	12-12-22/2:24pm	✓		✓		6	✓	✓	✓	✓							
4	SMS 002	12-12-22/7:16pm	✓		✓		6	✓	✓	✓	✓							
4	SMS 002	12-13-22/7:02am	✓		✓		6	✓	✓	✓	✓							
5	SMS 002	12-13-22/7:52am	✓		✓		1						✓					
6	SMS 002	12-13-22/7:59am	✓	✓			27							✓				
Container Type								G	P	G	V	P					Field pH calibration	
Preservative								S	B	S	N	O	T				on _____ @ _____	
G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate															Buffer:			
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate A = (NH ₄) ₂ SO ₄ , NH ₄ OH																		
Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN _____ DAYS							Relinquished By: <u>Rachel Johnson</u>		Date/Time: <u>12-13-22/12:57pm</u>		Received By:		Date/Time:					
Expedited results requested by: _____							Relinquished By:		Date/Time:		Received in Lab By: <u>D. Brown</u>		Date/Time: <u>12-13-22/1257</u>					
Who should AIC contact with questions: _____							Comments:											
Contact Phone: _____																		
Report Attention to: _____																		
Email Address: _____																		



January 14, 2023

Georgia Pacific Corporation
ATTN: Ms. Rachel Johnson
Post Office Box 3333
Crossett, AR 71635

Re: Subcontracted Services
American Interplex Corporation Control No. 271411

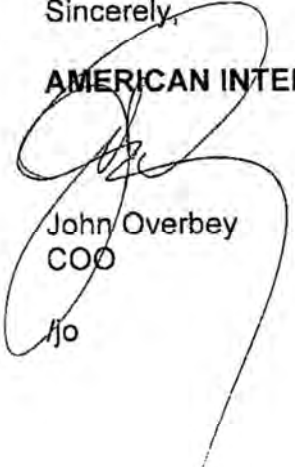
Dear Ms. Johnson,

Attached are the results for the water samples submitted on December 13, 2022. The samples were subcontracted to Eurofins, Ana Lab, and Arkansas Analytical for additional testing. The additional reports are attached for your review. Sample identifications are provided below for reference.

Control no.	Sample Id.
271411-3	Outfall 001
271411-6	Outfall 002

Sincerely,

AMERICAN INTERPLEX CORPORATION


John Overbey
COO

/jo

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. John Overbey
American Interplex
8600 Kanis Road
Little Rock, Arkansas 72204

Generated 1/12/2023 8:47:10 AM

JOB DESCRIPTION

C-7

JOB NUMBER

160-48263-1

Eurofins St. Louis

1

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. Pursuant to NELAP, this report shall not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins TestAmerica and its client. All questions regarding this report should be directed to the Eurofins TestAmerica Project Manager.

Louisiana Lab Certification ID (Non-Potable, Solid/Haz. Material): 106151
Florida Lab Certification ID (Drinking Water): E87689.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
1/12/2023 8:47:10 AM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	5
Receipt Checklists	6
Definitions/Glossary	7
Method Summary	8
Sample Summary	9
Detection Summary	10
Client Sample Results	11
QC Sample Results	13
QC Association Summary	15
Tracer Carrier Summary	16

Case Narrative

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Job ID: 160-48263-1

Laboratory: Eurofins St. Louis

Narrative

Job Narrative
160-48263-1

Receipt

The samples were received on 12/14/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.4° C.

RAD

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

Gross Alpha and Gross Beta batch 594420

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: 271411-6 (160-48263-2), (280-170293-A-1-B) and (280-170293-A-1-E DU). Analytical results are reported with the detection limit achieved.

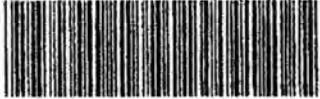
Radium-228 prep batch 160-594072:

The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. 271411-3 (160-48263-1) and 271411-6 (160-48263-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 OF 1

Client: American Interplex Corporation			PO No. 29403		NO OF BOTTLES	ANALYSES REQUESTED										AIC CONTROL NO:	
Project Reference: C-7			MATRIX													AIC PROPOSAL NO:	
Project Manager: John Overbey																Carrier:	
Sampled By: Client/AIC			G	C	A	S											Received Temp. °C
AIC No.	Sample Identification	Date/Time Collected	R	O	T	E											on Ice? Yes No
			B	P	R	L											Remarks
	271411-3	12-13-22 0707	X		X			2	X	X	X	X					
	271411-6	12-13-22 0759	X		X			2	X	X	X	X					
 160-48263 Chain of Custody																	
Container Type																	Field pH calibration
Preservative																	on @
G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate																	Buffer:
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate A = (NH ₄) ₂ SO ₄ , NH ₄ OH																	
Turnaround Time Requested: (Please circle) NORMAL or EXPEDITED IN ____ DAYS								Relinquished By: <i>John Overbey</i>		Date/Time 12-13-22 1600		Received By: FED EX		Date/Time			
Expedited results requested by: _____								Relinquished By: FED EX		Date/Time		Received in Lab By: <i>Autumn R. Johnson</i>		Date/Time DEC 14 2022 1020			
Who should AIC contact with questions: Phone: 501-224-5060								Comments:									
Report Attention to: John Overbey																	
Report Address to: 8600 Kanis Road Little Rock, AR 72204																	
Email Address: joverbey@americaninterplex.com																	

FORM 0060

Login Sample Receipt Checklist

Client: American Interplex

Job Number: 160-48263-1

Login Number: 48263

List Source: Eurofins St. Louis

List Number: 1

Creator: Booker, Autumn R

5

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
π	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins St. Louis

Method Summary

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Method	Method Description	Protocol	Laboratory
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Pos			
Evaporation	Preparation, Evaporation	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Eurofins St. Louis

Sample Summary

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-48263-1	271411-3	Water	12/13/22 07:07	12/14/22 10:20
160-48263-2	271411-6	Water	12/13/22 07:59	12/14/22 10:20

Detection Summary

Job ID: 160-48263-1

Client: American Interplex
Project/Site: C-7

Client Sample ID: 271411-3

Lab Sample ID: 160-48263-1

☐ No Detections.

Client Sample ID: 271411-6

Lab Sample ID: 160-48263-2

☐ No Detections.

9

This Detection Summary does not include radiochemical test results.

Eurofins St. Louis

Client Sample Results

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Client Sample ID: 271411-3

Lab Sample ID: 160-48263-1

Date Collected: 12/13/22 07:07

Matrix: Water

Date Received: 12/14/22 10:20

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.64	U	1.86	1.89	3.00	2.76	pCi/L	12/21/22 08:52	12/27/22 20:13	1
Gross Beta	5.02		1.02	1.14	4.00	1.08	pCi/L	12/21/22 08:52	12/27/22 20:13	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0394	U	0.463	0.463	1.00	0.922	pCi/L	12/19/22 10:01	01/10/23 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.7		40 - 110					12/19/22 10:01	01/10/23 18:57	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.55	U G	1.74	1.75	1.00	2.85	pCi/L	12/19/22 11:26	01/06/23 14:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.7		40 - 110					12/19/22 11:26	01/06/23 14:51	1
Y Carrier	89.0		40 - 110					12/19/22 11:26	01/06/23 14:51	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.55	U	1.80	1.81	5.00	2.85	pCi/L		01/11/23 23:28	1

Client Sample ID: 271411-6

Lab Sample ID: 160-48263-2

Date Collected: 12/13/22 07:59

Matrix: Water

Date Received: 12/14/22 10:20

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.447	U G	2.18	2.18	3.00	3.99	pCi/L	12/21/22 08:52	12/27/22 20:13	1
Gross Beta	5.09		1.40	1.49	4.00	1.73	pCi/L	12/21/22 08:52	12/27/22 20:13	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249	U	0.219	0.220	1.00	0.328	pCi/L	12/19/22 10:01	01/10/23 18:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.2		40 - 110					12/19/22 10:01	01/10/23 18:57	1

Eurofins St. Louis

Client Sample Results

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Client Sample ID: 271411-6

Lab Sample ID: 160-48263-2

Date Collected: 12/13/22 07:59

Matrix: Water

Date Received: 12/14/22 10:20

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.686	U G	0.788	0.791	1.00	1.29	pCi/L	12/19/22 11:26	01/06/23 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.2		40 - 110					12/19/22 11:26	01/06/23 14:52	1
Y Carrier	84.5		40 - 110					12/19/22 11:26	01/06/23 14:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.935	U	0.818	0.821	5.00	1.29	pCi/L		01/11/23 23:28	1

Eurofins St. Louis

QC Sample Results

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-594420/1-A
Matrix: Water
Analysis Batch: 594846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594420

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.6161	U	0.554	0.559	3.00	0.856	pCi/L	12/21/22 08:52	12/27/22 16:57	1
Gross Beta	0.2791	U	0.481	0.482	4.00	0.796	pCi/L	12/21/22 08:52	12/27/22 16:57	1

Lab Sample ID: LCS 160-594420/2-A
Matrix: Water
Analysis Batch: 594848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594420

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	50.5	58.91		8.16	3.00	1.87	pCi/L	117	75 - 125

Lab Sample ID: LCSB 160-594420/3-A
Matrix: Water
Analysis Batch: 594846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594420

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	73.9	71.37		7.67	4.00	0.826	pCi/L	97	75 - 125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-594026/1-A
Matrix: Water
Analysis Batch: 596406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594026

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03816	U	0.0772	0.0772	1.00	0.139	pCi/L	12/19/22 10:01	01/10/23 18:57	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		40 - 110					12/19/22 10:01	01/10/23 18:57	1

Lab Sample ID: LCS 160-594026/2-A
Matrix: Water
Analysis Batch: 596406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594026

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.602		1.05	1.00	0.145	pCi/L	85	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	95.0		40 - 110						

Eurofins St. Louis

QC Sample Results

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-594072/1-A
Matrix: Water
Analysis Batch: 595887

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 594072

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2430	U	0.306	0.307	1.00	0.508	pCi/L	12/19/22 11:26	01/06/23 14:58	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		40 - 110					12/19/22 11:26	01/06/23 14:58	1
Y Carrier	83.7		40 - 110					12/19/22 11:26	01/06/23 14:58	1

Lab Sample ID: LCS 160-594072/2-A
Matrix: Water
Analysis Batch: 595887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 594072

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.30	8.359		1.19	1.00	0.461	pCi/L	101	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	95.0		40 - 110						
Y Carrier	83.0		40 - 110						

Eurofins St. Louis

QC Association Summary

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Rad

Prep Batch: 594026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-48263-1	271411-3	Total/NA	Water	PrecSep-21	
160-48263-2	271411-6	Total/NA	Water	PrecSep-21	
MB 160-594026/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-594026/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 594072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-48263-1	271411-3	Total/NA	Water	PrecSep_0	
160-48263-2	271411-6	Total/NA	Water	PrecSep_0	
MB 160-594072/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-594072/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 594420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-48263-1	271411-3	Total/NA	Water	Evaporation	
160-48263-2	271411-6	Total/NA	Water	Evaporation	
MB 160-594420/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-594420/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-594420/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Eurofins St. Louis

Tracer/Carrier Summary

Client: American Interplex
Project/Site: C-7

Job ID: 160-48263-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	
160-48263-1	271411-3	70.7	
160-48263-2	271411-6	71.2	
LCS 160-594026/2-A	Lab Control Sample	95.0	
MB 160-594026/1-A	Method Blank	94.1	

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
160-48263-1	271411-3	70.7	89.0
160-48263-2	271411-6	71.2	84.5
LCS 160-594072/2-A	Lab Control Sample	95.0	83.0
MB 160-594072/1-A	Method Blank	94.1	83.7

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

13

Eurofins St. Louis



8100 National Dr. - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

19 December 2022

John Overbey
American Interplex
8600 Kanis Rd
Little Rock, AR 72204

Project: Water Sample(s)
Project Number: December 2022 - C-7 (271411)
SDG Number: 2212354

Enclosed are the results of analyses for samples received by the laboratory on 14-Dec-22 09:06. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	1.0°C

Sincerely,

A handwritten signature in cursive script that reads "Norma James".

Norma James
Technical Director

This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.

19 December 2022

John Overbey

American Interplex

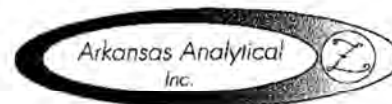
8600 Kanis Rd

Little Rock, AR 72204

Project: Water Sample(s)

Project Number: December 2022 – C-7 (271411)

Date Received: 14-Dec-22 09:06



CASE NARRATIVE

Sample Delivery Group – 2212354

One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).

SAMPLE RECEIPT QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
ET	Samples received above required temperature (6°C).
ET	Samples received above required temperature.
	Although collected and received the same day, no ice was present to indicate the cooling preservation was attempted.
E2	Result qualified as it was received and analyzed outside of holding time. Analysis is considered a "Field" analysis.
E2	Result qualified as it was received and/or analyzed outside of holding time.
E3	Result qualified as it was received in the incorrect container and/or preservation.

19 December 2022

John Overbey
American Interplex
8600 Kanis Rd
Little Rock, AR 72204
Project: Water Sample(s)

Project Number: December 2022 -- C-7 (271411)

Date Received: 14-Dec-22 09:06



ANALYTICAL RESULTS

Lab Number: 2212354-01
Sample Name: 271411-3
Date/Time Collected: 12/13/22 7:07
Sample Matrix: Water

Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Color	Color Units	40.0	E2	12/15/22 9:36	B212333	2120 B
pH @ which color was measured	S.U.	7.40	E2	12/15/22 9:08	B212331	SM 4500-H+ B-2011

ANALYTICAL RESULTS

Lab Number: 2212354-02
Sample Name: 271411-6
Date/Time Collected: 12/13/22 7:59
Sample Matrix: Water

Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Color	Color Units	80.0	E2	12/15/22 9:36	B212333	2120 B
pH @ which color was measured	S.U.	7.51	E2	12/15/22 9:08	B212331	SM 4500-H+ B-2011

QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B212331 (Water)

Prepared: 15-Dec-22 09:08 By: AP -- Analyzed: 15-Dec-22 09:08 By: AP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
pH @ which color was measured	NA	101% / 101%	NA / NA		0.282%	

Wet Chemistry -- Batch: B212333 (Water)

Prepared: 15-Dec-22 09:36 By: MB -- Analyzed: 15-Dec-22 09:36 By: AP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Color	<5.00 Color Units	NA / NA	NA / NA	80.0 Color Units	0.00%	

QUALIFIER(S)

*E2: Estimated Result; Analyzed Outside of Holding Time

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Norma James

Reviewed by:

Norma James
Technical Director

2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914



Printed 01/09/2023 8:26

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322

TABLE OF CONTENTS

C-7

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
1038621_r02_01_ProjectSamples	Ana-Lab Project P:1038621 C:AMIN Project Sample Cross Reference t:304	1
1038621_r03_03_ProjectResults	Ana-Lab Project P:1038621 C:AMIN Project Results t:304 PO: 29401	4
1038621_r10_05_ProjectQC	Ana-Lab Project P:1038621 C:AMIN Project Quality Control Groups	3
1038621_r99_09_CoC_1_of_1	Ana-Lab CoC AMIN 1038621_1_of_1	3
Total Pages:		11

Email: projectmanager@ana-lab.com



Report Page 1 of 12

SAMPLE CROSS REFERENCE



Printed 1/9/2023 Page 1 of 1

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322

Sample	Sample ID	Taken	Time	Received
2152764	271411-3	12/13/2022	07:07:00	12/14/2022

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client supplied amber glass ZHS 40 mL vial
Bottle 06 Client supplied amber glass ZHS 40 mL vial
Bottle 07 Client supplied amber glass ZHS 40 mL vial
Bottle 08 Client supplied amber glass ZHS 40 mL vial
Bottle 09 Prepared Bottle: 40 mL Vial Extract (Batch 1039865) Volume: 10.00000 mL <== Derived from 02 (100 ml)
Bottle 10 Prepared Bottle: 40 mL Vial Extract (Batch 1039865) Volume: 10.00000 mL <== Derived from 02 (100 ml)
Bottle 11 Prepared Bottle: 40 mL Vial Extract (Batch 1039865) Volume: 10.00000 mL <== Derived from 02 (100 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1667	09	1039865	12/15/2022	1040271	12/16/2022
EPA 8015C	05	1040126	12/15/2022	1040126	12/15/2022
EPA 624.1	08	1042107	12/21/2022	1042107	12/21/2022

Sample	Sample ID	Taken	Time	Received
2152770	271411-6	12/13/2022	07:59:00	12/14/2022

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client supplied amber glass ZHS 40 mL vial
Bottle 06 Client supplied amber glass ZHS 40 mL vial
Bottle 07 Client supplied amber glass ZHS 40 mL vial
Bottle 08 Client supplied amber glass ZHS 40 mL vial
Bottle 09 Prepared Bottle: 40 mL Vial Extract (Batch 1039865) Volume: 10.00000 mL <== Derived from 01 (100 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 1667	09	1039865	12/15/2022	1040271	12/16/2022
EPA 8015C	05	1040126	12/15/2022	1040126	12/15/2022
EPA 624.1	07	1042107	12/21/2022	1042107	12/21/2022

Email: projectmanager@ana-lab.com



Report Page 2 of 12

2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322

Page 1 of 4



Printed: 01/09/2023

RESULTS

Sample Results

2152764 271411-3

Received: 12/14/2022

Non-Potable Water

Collected by: Client
Taken: 12/13/2022

American Interplex
07:07:00

PO: 29401

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1040271 12/16/2022 11:25:00 BRL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Acetaldehyde	<0.010	mg/L	0.010		75-07-0	09
Formaldehyde	0.158	mg/L	0.050		50-00-0	09

EPA 624.1

Prepared: 1042107 12/21/2022 15:48:00 Analyzed 1042107 12/21/2022 15:48:00 PM1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Epichlorohydrin	<20.0	ug/L	20.0		106-89-8	08

EPA 8015C

Prepared: 1040126 12/15/2022 17:01:00 Analyzed 1040126 12/15/2022 17:01:00 BLF

Parameter	Results	Units	RL	Flags	CAS	Bottle
Methyl mercaptan	<5.00	mg/L	5.00			05

2152770 271411-6

Received: 12/14/2022

Non-Potable Water

Collected by: Client
Taken: 12/13/2022

American Interplex
07:59:00

PO: 29401

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1040271 12/16/2022 11:39:00 BRL

Parameter	Results	Units	RL	Flags	CAS	Bottle
Acetaldehyde	<0.010	mg/L	0.010		75-07-0	09
Formaldehyde	<0.050	mg/L	0.050		50-00-0	09

EPA 624.1

Prepared: 1042107 12/21/2022 16:10:00 Analyzed 1042107 12/21/2022 16:10:00 PM1

Parameter	Results	Units	RL	Flags	CAS	Bottle
Epichlorohydrin	<20.0	ug/L	20.0		106-89-8	07



Report Page 3 of 12

2600 Dudley Rd, Kilgore, Texas 75662
 R: PO Box 3275 Kilgore, TX 75663
 Office: 903-984-0551 * Fax: 903-984-5914

AMIN-L

Page 2 of 4

American Interplex
 John Overbey
 8600 Kanis Road
 Little Rock, AR 72204-2322



Printed: 01/09/2023

2152770 271411-6

Received: 12/14/2022

Non-Potable Water

Collected by: Client American Interplex
 Taken: 12/13/2022 07:59:00

PO: 29401

EPA 8015C

Prepared: 1040126 12/15/2022 17:18:00 Analyzed 1040126 12/15/2022 17:18:00 BLF

Parameter	Results	Units	RL	Flags	CAS	Bottle
Methyl mercaptan	<5.00	mg/L	5.00	P		05

Sample Preparation

2152764 271411-3

Received: 12/14/2022

29401

12/13/2022

Prepared: 12/16/2022 15:18:27 Calculated 12/16/2022 15:18:27 CAL

Environmental Fee (per Project)

Verified

Cooler Return

Prepared: 12/15/2022 16:30:00 Analyzed 12/15/2022 16:30:00 MG3

Return Cooler/No bottles Require

Returned

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1039865 12/15/2022 08:30:00 CED

NELAC 8315 Extraction Liquid Aldehydes

10/100 ml 02

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1040271 12/16/2022 11:25:00 BRU

NELAC Formaldehyde/Acetaldehyde Expans

Entered

09

EPA 624.1

Prepared: 1042107 12/21/2022 15:48:00 Analyzed 1042107 12/21/2022 15:48:00 PM1

NELAC Epichlorohydrin Exp.

Entered

08



Report Page 4 of 12

2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

AMIN-L

Page 3 of 4

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322



Printed: 01/09/2023

2152764 271411-3

Received: 12/14/2022
29401

12/13/2022

EPA 8015C

Prepared: 1040126 12/15/2022 17:01:00 Analyzed 1040126 12/15/2022 17:01:00 BLF

Methyl mercaptan Expansion

Entered

05

2152770 271411-6

Received: 12/14/2022
29401

12/13/2022

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1039865 12/15/2022 08:30:00 CED

NELAC 8315 Extraction Liquid Aldehydes

10/100 ml

01

EPA 1667

Prepared: 1039865 12/15/2022 08:30:00 Analyzed 1040271 12/16/2022 13:39:00 HRU

NELAC Formaldehyde/Acetaldehyde Expansion

Entered

09

EPA 624.1

Prepared: 1042107 12/21/2022 16:10:00 Analyzed 1042107 12/21/2022 16:10:00 PMI

NELAC Epichlorohydrin Exp.

Entered

07

EPA 8015C

Prepared: 1040126 12/15/2022 17:18:00 Analyzed 1040126 12/15/2022 17:18:00 BLF

Methyl mercaptan Expansion

Entered

05



Report Page 5 of 12

2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275, Kilgore, TX 75663
Office: 903-984-0531 * Fax: 903-984-5914

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322



Printed: 01/09/2023

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>. These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAP. RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



QUALITY CONTROL

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322



Printed 01/09/2023

Analytical Set		1040126					EPA 8015C				
Blank											
Parameter	PrepSet	Reading	MDL	MQL	Units	File					
Methyl mercaptan	1040126	ND	0.773	5.00	mg/L	124395431					
CCV											
Parameter		Reading	Known	Units	Recover%	Limits%	File				
Methyl mercaptan		99.3	100	mg/L	99.3	70.0 - 130	124395430				
Methyl mercaptan		98.9	100	mg/L	98.9	70.0 - 130	124395436				
MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Methyl mercaptan	2152770	52.3	55.5	ND	100	70.0 - 130	52.3 *	55.5 *	mg/L	5.94	30.0

Analytical Set		1040271					EPA 1667				
Blank											
Parameter	PrepSet	Reading	MDL	MQL	Units	File					
Acetaldehyde	1039865	ND	0.00905	0.010	mg/L	124398002					
Formaldehyde	1039865	0.0484	0.0317	0.050	mg/L	124398002					
CCV											
Parameter		Reading	Known	Units	Recover%	Limits%	File				
Acetaldehyde		2.12	1.97	mg/L	108	70.0 - 130	124398001				
Acetaldehyde		2.16	1.97	mg/L	109	70.0 - 130	124398005				
Acetaldehyde		2.17	1.97	mg/L	110	70.0 - 130	124398009				
Acetaldehyde		2.17	1.97	mg/L	110	70.0 - 130	124398014				
Formaldehyde		1.44	1.43	mg/L	101	70.0 - 130	124398001				
Formaldehyde		1.46	1.43	mg/L	102	70.0 - 130	124398005				
Formaldehyde		1.48	1.43	mg/L	103	70.0 - 130	124398009				
Formaldehyde		1.49	1.43	mg/L	104	70.0 - 130	124398014				
LCS Dup											
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%	
Acetaldehyde	1039865	0.0956	0.0971	0.100	0.100 - 143	95.6	97.1	mg/L	1.56	30.0	
Formaldehyde	1039865	0.142	0.138	0.100	2.69 - 179	142	138	mg/L	2.86	30.0	
MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Acetaldehyde	2152764	0.101	0.0982	0.0169	0.100	0.100 - 174	84.1	81.3	mg/L	3.39	30.0
Formaldehyde	2152764	0.245	0.233	0.158	0.100	0.100 - 240	87.0	75.0	mg/L	14.8	30.0

Analytical Set		1042107					EPA 624.1	
							BFB	
<u>Parameter</u>	<u>Sample</u>	<u>RefMass</u>	<u>Reading</u>	<u>%</u>	<u>Limits</u>	<u>File</u>		
BFB Mass 173	1042107	174	56	0.5	0 - 2.00	124440104		
BFB Mass 174	1042107	95.0	10772	57.1	50.0 - 100	124440104		
BFB Mass 175	1042107	174	833	7.7	5.00 - 9.00	124440104		
BFB Mass 176	1042107	174	10375	96.3	95.0 - 101	124440104		



Report Page 7 of 12

QUALITY CONTROL

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322

Project

1038621

Printed 01/09/2023

BFB

Parameter	Sample	RelMass	Reading	%	Limits%	File
BFB Mass 177	1042107	176	590	5.7	5.00 - 9.00	124440104
BFB Mass 50	1042107	95.0	4264	22.6	15.0 - 40.0	124440104
BFB Mass 75	1042107	95.0	10723	56.8	30.0 - 60.0	124440104
BFB Mass 95	1042107	95.0	18875	100.0	100 - 100	124440104
BFB Mass 96	1042107	95.0	1320	7.0	5.00 - 9.00	124440104

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Epichlorohydrin	1042107	ND	6.85	20.0	ug/L	124440108

CCV

Parameter	Reading	Known	Units	Recovery%	Limits%	File
Epichlorohydrin	188	200	ug/L	94.2	70.0 - 130	124440105

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1042107	CCV	65540	65540	32770	98310	124440105	1042107
1,4-DichlorobenzeneD4 (ISTD)	1042107	LCS	62270	65540	32770	98310	124440106	1042107
1,4-DichlorobenzeneD4 (ISTD)	1042107	LCS Dup	62760	65540	32770	98310	124440107	1042107
1,4-DichlorobenzeneD4 (ISTD)	1042107	Blank	56620	65540	32770	98310	124440108	1042107
ChlorobenzeneD5 (ISTD)	1042107	CCV	161200	161200	80590	241800	124440105	1042107
ChlorobenzeneD5 (ISTD)	1042107	LCS	153700	161200	80590	241800	124440106	1042107
ChlorobenzeneD5 (ISTD)	1042107	LCS Dup	157100	161200	80590	241800	124440107	1042107
ChlorobenzeneD5 (ISTD)	1042107	Blank	141500	161200	80590	241800	124440108	1042107
1,4-DichlorobenzeneD4 (ISTD)	2152764	Unknown	59230	65540	32770	98310	124440109	1042107
ChlorobenzeneD5 (ISTD)	2152764	Unknown	145100	161200	80590	241800	124440109	1042107
1,4-DichlorobenzeneD4 (ISTD)	2152770	Unknown	54860	65540	32770	98310	124440110	1042107
ChlorobenzeneD5 (ISTD)	2152770	Unknown	141700	161200	80590	241800	124440110	1042107

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1042107	LCS	11.11	11.11	11.05	11.17	124440106	1042107
1,4-DichlorobenzeneD4 (ISTD)	1042107	LCS Dup	11.11	11.11	11.05	11.17	124440107	1042107
1,4-DichlorobenzeneD4 (ISTD)	1042107	Blank	11.11	11.11	11.05	11.17	124440108	1042107
ChlorobenzeneD5 (ISTD)	1042107	LCS	8.751	8.751	8.691	8.811	124440106	1042107
ChlorobenzeneD5 (ISTD)	1042107	LCS Dup	8.751	8.751	8.691	8.811	124440107	1042107
ChlorobenzeneD5 (ISTD)	1042107	Blank	8.751	8.751	8.691	8.811	124440108	1042107
1,4-DichlorobenzeneD4 (ISTD)	2152764	Unknown	11.11	11.11	11.05	11.17	124440109	1042107
ChlorobenzeneD5 (ISTD)	2152764	Unknown	8.751	8.751	8.691	8.811	124440109	1042107
1,4-DichlorobenzeneD4 (ISTD)	2152770	Unknown	11.11	11.11	11.05	11.17	124440110	1042107
ChlorobenzeneD5 (ISTD)	2152770	Unknown	8.751	8.751	8.691	8.811	124440110	1042107

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Epichlorohydrin	1042107	192	194	200	27.5 - 189	96.0	97.0	ug/L	1.04	30.0



Report Page 8 of 12

QUALITY CONTROL

AMIN-L

American Interplex
John Overbey
8600 Kanis Road
Little Rock, AR 72204-2322

Project

1038621

Printed 01/09/2023

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1042107	CCV	29.2	20.0	ug/L	146 *	72.3 - 106	124440105
1,2-DCA-d4 (SURR)	1042107	LCS	30.3	20.0	ug/L	152 *	72.3 - 106	124440106
1,2-DCA-d4 (SURR)	1042107	LCS Dup	31.0	20.0	ug/L	155 *	72.3 - 106	124440107
1,2-DCA-d4 (SURR)	1042107	Blank	30.7	20.0	ug/L	154 *	72.3 - 106	124440108
Bromofluorobenzene (SURR)	1042107	CCV	21.4	20.0	ug/L	107	87.2 - 122	124440105
Bromofluorobenzene (SURR)	1042107	LCS	21.3	20.0	ug/L	106	87.2 - 122	124440106
Bromofluorobenzene (SURR)	1042107	LCS Dup	21.2	20.0	ug/L	106	87.2 - 122	124440107
Bromofluorobenzene (SURR)	1042107	Blank	20.2	20.0	ug/L	101	87.2 - 122	124440108
Dibromofluoromethane (SURR)	1042107	CCV	23.9	20.0	ug/L	120 *	46.7 - 114	124440105
Dibromofluoromethane (SURR)	1042107	LCS	24.4	20.0	ug/L	122 *	46.7 - 114	124440106
Dibromofluoromethane (SURR)	1042107	LCS Dup	23.6	20.0	ug/L	118 *	46.7 - 114	124440107
Dibromofluoromethane (SURR)	1042107	Blank	24.5	20.0	ug/L	122 *	46.7 - 114	124440108
TolueneD8 (SURR)	1042107	CCV	23.4	20.0	ug/L	117 *	57.4 - 112	124440105
TolueneD8 (SURR)	1042107	LCS	23.6	20.0	ug/L	118 *	57.4 - 112	124440106
TolueneD8 (SURR)	1042107	LCS Dup	22.8	20.0	ug/L	114 *	57.4 - 112	124440107
TolueneD8 (SURR)	1042107	Blank	21.8	20.0	ug/L	109	57.4 - 112	124440108
1,2-DCA-d4 (SURR)	2152764	Unknown	31.4	20.0	ug/L	157 *	72.3 - 106	124440109
Bromofluorobenzene (SURR)	2152764	Unknown	21.0	20.0	ug/L	105	87.2 - 122	124440109
Dibromofluoromethane (SURR)	2152764	Unknown	24.7	20.0	ug/L	124 *	46.7 - 114	124440109
TolueneD8 (SURR)	2152764	Unknown	22.4	20.0	ug/L	112	57.4 - 112	124440109
1,2-DCA-d4 (SURR)	2152770	Unknown	32.3	20.0	ug/L	162 *	72.3 - 106	124440110
Bromofluorobenzene (SURR)	2152770	Unknown	21.2	20.0	ug/L	106	87.2 - 122	124440110
Dibromofluoromethane (SURR)	2152770	Unknown	24.8	20.0	ug/L	124 *	46.7 - 114	124440110
TolueneD8 (SURR)	2152770	Unknown	21.9	20.0	ug/L	110	57.4 - 112	124440110

* Out RPD is Relative Percent Difference: $\frac{\text{abs}(r1-r2)}{\text{mean}(r1,r2)} * 100\%$

Recover% is Recovery Percent: $\frac{\text{result}}{\text{known}} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision); BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.); IS Areas - Internal Standard Area (The area of the internal standard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (The time the internal standard comes off the column. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.)



Report Page 9 of 12

1038621 CoC Print Group 001 of 001

3600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

ANALAB
Testing the Limits of Science and Service

CHAIN OF CUSTODY

Printed 11/21/2022 Page 1 of 2

American Interplex
John Overbey
8600 Kenis Road
Little Rock, AR 72204-2322

2152766f
AMIN-4
108

Lab Number 271411-3
PO Number 29401
Phone 501/224-5060

EPichlorohydrin WW☐ Hand Delivered by Client to Region or LAB**Matrix: Non-Potable Water**

Sample Collection Start

Date: 12-13-22 Time: 0707

Sampler Printed Name: _____

Sampler Affiliation: _____

Sampler Signature: _____

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐**1 Amber Glass Qt w/Teflon lined lid**

NELAC Short Hold

FAAB

Formaldehyde/Acetaldehyde Expan

EPA 1667 (3.00 days)

2 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid

NELAC

SEPI

Epichlorohydrin Exp.

EPA 624.1 (14.0 days)

MCAP

Methyl mercaptan Expansion

EPA 8015 (40.0 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
12-13-22	1600	Printed Name <u>John Overbey</u> Affiliation <u>AIC</u>	Printed Name <u>John Overbey</u> Affiliation <u>AIC</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
12-13-22	1420	Printed Name <u>John Overbey</u> Affiliation <u>AIC</u>	Printed Name <u>John Overbey</u> Affiliation <u>AIC</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____

Project Reference: C-7



Ark-La-Miss Region: 4720 Viking Dr, Suite A Bossier City LA 71301 Report Page 10 of 12

1038621 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

ANALAB
Testing the Limits of Science and Service

CHAIN OF CUSTODY

Printed 11/21/2022

Page 1 of 2

American Interplex
John Overbey
8500 Karls Road
Little Rock, AR 72204-3323

2152770
AMIN-4
108

Lab Number 271411-6
PO Number 29401
Phone 501/224-5060

EPichlorohydrin WW☐ Hand Delivered by Client to Region or LAB**Matrix: Non-Potable Water**

Sample Collection Start

Date: 12-13-22 Time: 0759

Sampler Printed Name: _____

Sampler Affiliation: _____

Sampler Signature: _____

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐☒ **1 Amber Glass Qt w/Teflon lined lid**

NELAC Short Hold

EAAB

Formaldehyde/Acetaldehyde Expts

EPA 1667 (3.00 days)

☒ **2 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid**

NELAC

SEPI

Epichlorohydrin Exp.

EPA 624.1 (14.0 days)

MCAP

Methyl mercaptan Expansion

EPA 8015 (40.0 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
12-13-22	1600	Printed Name <u>Eugene Hampton</u> Affiliation <u>AEC</u>	Printed Name _____ Affiliation _____
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
12-13-22	1420	Printed Name _____ Affiliation _____	Printed Name <u>John Garrett - Ana-Lab</u> Affiliation _____
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____
		Printed Name _____ Affiliation _____	Printed Name _____ Affiliation _____
		Signature _____	Signature _____

Project Reference: (-)



Ark-La-Miss Region: 4720 Viking Dr., Suite A Bossier City LA 71111

Report Page 11 of 12

1
2
3
4

3 of 3

1038621 CoC Print Group 001 of 001

ORIGIN ID: LITA (501) 224-SQ80 SAMPLE MANAGEMENT AMERICAN INTERPLEX CORPORATION 8600 KANIS ROAD LITTLE ROCK, AR 72204 UNITED STATES US		SHIP DATE: 19DEC22 ACTWGT: 48.00 LB TRN CAD: 0154148/CAFE3616 DIMS: 22x14x13 IN BILL GENDER	
TO SAMPLE RECEIVING ANA LAB CORP 2600 DUDLEY ROAD KILGORE TX 75662 (908) 884-0801 REF: C-7			
		FedEx Express 	
TX# 5842 6192 9203 DEC 1		WED - 14 DEC 10:30A PRIORITY OVERNIGHT	
YA 0001		75662 TX-US SHV	
Date: 12/14/2022 Time: 14:30 Tech: 147 Temp: 0.6/0.6 C Therm#: 6443 Corr Fact: 0.0 C			

Form # 156149-434 MTN/EXP 10022

FedEx®

press

ORIGIN ID:ELDA (870) 415-6363
RACHEL JOHNSON
GEORGIA-PACIFIC
100 SUPPLY ROAD
TECHNICAL CENTER, DROP POINT 33
CROSSETT, AR 71635
UNITED STATES US

SHIP DATE: 05APR23
ACTWGT: 1.00 LB
CAD: 105331583/INET4580

BILL SENDER

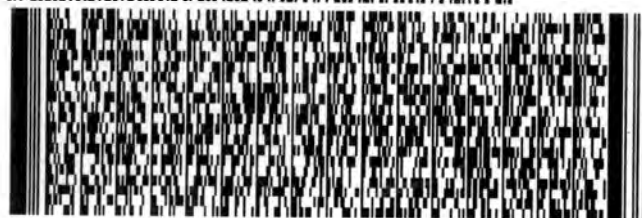
TO LORETTA CARSTENS, OFFICE OF WATER Q
ADEQ
5301 NORTSHORE DR

NORTH LITTLE ROCK AR 72118

(501) 682-0612
INV:
PO:

REF: AFIN 02-00013 NPDES #AR0001210

DEPT:



581J378CFE2D

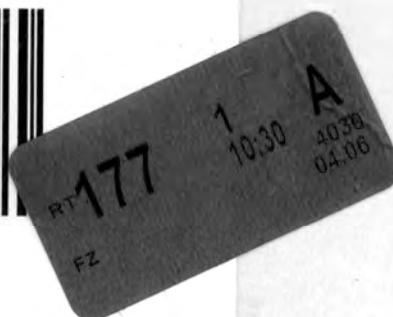
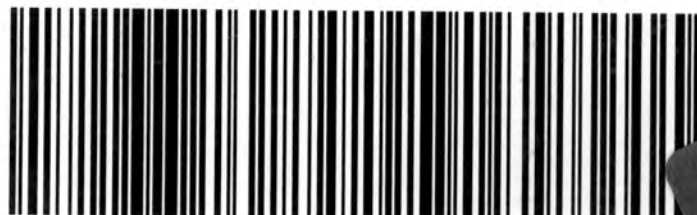
Extremely Urgent

TRK# 7717 6922 4030
0201

THU - 06 APR 10:30A
PRIORITY OVERNIGHT

X2 LITA

72118
AR-US LIT



◀ Insert shipping
document here.