



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

Dear Ms. Rachel Johnson:

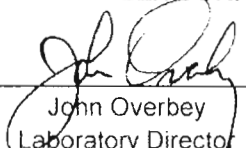
Project Description: One (1) water sample(s) received on December 8, 2009  
Cluster Rule Compliance Monitoring  
P.O. No. 783315

This report is the analytical results and supporting information for the sample submitted to American Interplex Corporation (AIC) on December 8, 2009. The following results are applicable only to the sample identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

**AMERICAN INTERPLEX CORPORATION**

By \_\_\_\_\_

  
John Overbey  
Laboratory Director

Enclosure(s): Chain of Custody



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CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification:	Complete Chain of Custody	N
	Sample ID on Sample Labels	Y
	Date and Time on Sample Labels	N
	Proper Sample Containers	Y
	Within Holding Times	Y
	Adequate Sample Volume	Y
	Sample Integrity	Y
	Proper Temperature	Y
	Proper Preservative	N

COMMENTS

The sample container, preservation, or holding time did not meet 40 CFR Part 136.3 Table II - Required Containers, Preservation Techniques, and Holding time requirements.

QUALIFIERS

Qualifiers	Definition
D	Result is from a secondary dilution factor

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", 20th edition, 1998.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).



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ANALYTICAL RESULTS

AIC No. 134420-1  
 Sample Identification: Outfall 001 12-5-09

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Bis(2-ethylhexyl)phthalate		170	13	ug/l	B6072	D
Surrogate Recovery						
2-Fluorobiphenyl		-	-		B6072	D
2-Fluorophenol		-	-		B6072	D
Nitrobenzene-D5		-	-		B6072	D
Phenol-D5		-	-		B6072	D
Terphenyl-D14		-	-		B6072	D
2,4,6-Tribromophenol		-	-		B6072	D
Organochlorine Pesticides and PCBs By EPA 608						
alpha-Endosulfan		< 0.014	0.014	ug/l	G7847	
Dieldrin		< 0.002	0.002	ug/l	G7847	
Surrogate Recovery						
Decachlorobiphenyl		74.5	-	%	G7847	
Tetrachloro-m-xylene		62.0	-	%	G7847	
Total Recoverable:						
Cadmium	EPA 200.8	< 0.004	0.004	mg/l	S26865	



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SAMPLE PREPARATION REPORT

AIC No. 134420-1

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Base/Neutral and Acid Compounds	09DEC09 1549 290	16DEC09 1600 167	5	B6072	D
Organochlorine Pesticides and PCBs	09DEC09 0942 290	11DEC09 1749 288		G7847	
Total Recoverable: Metals	09DEC09 1409 286	11DEC09 2016 270		S26865	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	20 ug/l	98.0/102	67.3-109	4.10	20.9	B6072	
Acenaphthylene	20 ug/l	98.4/100	66.1-107	1.76	44	B6072	
Anthracene	20 ug/l	98.9/100	67.9-110	1.31	22	B6072	
Benzo(a)anthracene	20 ug/l	100/102	67.7-112	1.73	22.4	B6072	
Benzo(a)pyrene	20 ug/l	107/108	68-114	1.35	21	B6072	
Benzo(g,h,i)perylene	20 ug/l	108/113	61.7-140	4.94	27.9	B6072	
Benzo(k)fluoranthene	20 ug/l	101/105	64-119	3.44	24	B6072	
3,4-Benzofluoranthene	20 ug/l	105/106	65.2-121	0.380	38.8	B6072	
Bis(2-chloroethoxy)methane	20 ug/l	97.4/99.0	64.6-106	1.63	22.8	B6072	
Bis(2-chloroethyl)ether	20 ug/l	99.6/101	57.5-110	1.69	19.7	B6072	
Bis(2-chloroisopropyl)ether	20 ug/l	96.8/95.8	62.9-106	0.935	19.6	B6072	
Bis(2-ethylhexyl)phthalate	20 ug/l	97.4/101	55.9-126	3.93	23.4	B6072	
4-Bromophenyl phenyl ether	20 ug/l	102/102	60.6-119	0.0489	22.9	B6072	
Butylbenzyl phthalate	20 ug/l	100/106	58-127	5.63	28	B6072	
2-Chloronaphthalene	20 ug/l	96.8/98.9	65.6-109	2.09	22.2	B6072	
4-Chlorophenyl phenyl ether	20 ug/l	102/103	63.7-106	1.08	20.7	B6072	
Chrysene	20 ug/l	99.6/103	70.1-113	2.97	21.9	B6072	
Di-n-butyl phthalate	20 ug/l	99.8/102	64.7-119	2.08	22.7	B6072	
Di-n-octyl phthalate	20 ug/l	99.6/106	46.7-132	6.09	29	B6072	
Dibenzo(a,h)anthracene	20 ug/l	118/117	62.1-142	0.383	25.9	B6072	
1,2-Dichlorobenzene	20 ug/l	91.6/93.0	58.6-101	1.57	20.2	B6072	
1,3-Dichlorobenzene	20 ug/l	90.2/92.0	54-97.4	1.87	24.3	B6072	
2,4-Dichlorophenol	20 ug/l	97.6/101	64.2-109	3.12	16.8	B6072	
Diethyl phthalate	20 ug/l	101/102	62.8-112	1.48	24.5	B6072	
Dimethyl phthalate	20 ug/l	100/102	63.8-112	2.17	28	B6072	
4,6-Dinitro-o-cresol	20 ug/l	109/109	37.2-133	0.229	31.8	B6072	
2,4-Dinitrophenol	20 ug/l	110/109	20-132	1.00	45.3	B6072	
2,4-Dinitrotoluene	20 ug/l	100/103	64.8-108	2.71	24	B6072	
2,6-Dinitrotoluene	20 ug/l	98.8/102	66.6-112	3.53	19.4	B6072	
1,2-Diphenylhydrazine	20 ug/l	95.2/96.2	66.1-107	0.992	19.7	B6072	
Fluoranthene	20 ug/l	106/105	61-119	1.04	21.6	B6072	
Fluorene	20 ug/l	103/104	68.7-111	1.45	20.7	B6072	
Hexachlorobenzene	20 ug/l	106/108	67.1-122	1.17	22.1	B6072	
Hexachlorobutadiene	20 ug/l	104/107	57-115	2.66	26.8	B6072	
Hexachlorocyclopentadiene	20 ug/l	91.8/94.7	41.2-113	3.16	31.4	B6072	
Hexachloroethane	20 ug/l	93.1/95.0	50.3-103	2.07	25	B6072	
Indeno(1,2,3-cd)pyrene	20 ug/l	111/118	58.9-139	5.84	30.7	B6072	
Isophorone	20 ug/l	94.1/96.2	62.6-106	2.21	19.7	B6072	
n-Nitrosodi-n-propylamine	20 ug/l	103/104	65.4-110	1.35	24	B6072	
n-Nitrosodimethylamine	20 ug/l	77.6/79.6	32.4-92.2	2.48	40.1	B6072	
n-Nitrosodiphenylamine	20 ug/l	95.2/97.0	56.2-114	1.87	22.8	B6072	
Naphthalene	20 ug/l	98.2/100	66.7-106	2.32	30	B6072	
Nitrobenzene	20 ug/l	102/105	63.9-113	2.51	20.3	B6072	
2-Nitrophenol	20 ug/l	103/105	68.1-110	2.40	16.9	B6072	
4-Nitrophenol	20 ug/l	86.8/83.7	23.9-89.3	3.69	38.5	B6072	
p-Chloro-m-cresol	20 ug/l	103/104	45-110	1.26	22.4	B6072	
Pentachlorophenol	20 ug/l	112/114	37.4-141	1.85	29.3	B6072	



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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
Phenanthrene	20 ug/l	99.6/100	69.6-111	0.900	22.1	B6072	
Phenol	20 ug/l	66.2/67.4	37-75.1	1.95	25.4	B6072	
Pyrene	20 ug/l	90.2/101	56.6-133	11.0	25	B6072	
2,4,6-Trichlorophenol	20 ug/l	99.8/104	64.8-114	3.78	22.1	B6072	
Surrogate Recovery							
2-Fluorobiphenyl	20 ug/l	84.6/87.0	69.3-96.7	-		B6072	
2-Fluorophenol	20 ug/l	77.3/79.8	53.8-87.8	-		B6072	
Nitrobenzene-D5	20 ug/l	92.2/95.8	69.6-105	-		B6072	
Phenol-D5	20 ug/l	55.1/55.5	37.6-64.4	-		B6072	
Terphenyl-D14	20 ug/l	88.0/96.6	64.2-129	-		B6072	
2,4,6-Tribromophenol	20 ug/l	90.9/92.9	30.5-120	-		B6072	
Organochlorine Pesticides and PCBs							
Aldrin	0.2 ug/l	90.0/91.0	39.8-109	1.10	20.5	G7847	
alpha-BHC	0.2 ug/l	89.0/90.5	52.7-112	1.67	13.6	G7847	
alpha-Endosulfan	0.2 ug/l	96.5/98.0	57.6-116	1.54	14.4	G7847	
beta-BHC	0.2 ug/l	98.0/101	59.6-115	3.02	13.9	G7847	
beta-Endosulfan	0.2 ug/l	90.0/91.5	59.8-120	1.65	18	G7847	
Chlorpyrifos	0.4 ug/l	69.8/70.0	33.7-124	0.358	32.7	G7847	
4,4'-DDD	0.2 ug/l	93.5/95.0	56.4-121	1.59	17.8	G7847	
4,4'-DDE	0.2 ug/l	92.5/98.0	62.1-118	5.77	18	G7847	
4,4'-DDT	0.2 ug/l	92.5/93.0	45-135	0.539	29.3	G7847	
delta-BHC	0.2 ug/l	90.5/93.5	46.6-113	3.26	13.5	G7847	
Dieldrin	0.2 ug/l	100/101	61.1-126	0.995	19	G7847	
Endosulfan sulfate	0.2 ug/l	91.0/93.5	60.2-112	2.71	18.7	G7847	
Endrin	0.2 ug/l	90.5/91.0	58.6-121	0.551	21.1	G7847	
Endrin aldehyde	0.2 ug/l	97.0/98.0	62.2-121	1.03	19.6	G7847	
gamma-BHC (Lindane)	0.2 ug/l	96.5/98.0	63.2-119	1.54	17	G7847	
Heptachlor	0.2 ug/l	97.5/98.5	48.4-123	1.02	20.8	G7847	
Heptachlor epoxide	0.2 ug/l	98.0/98.0	54.1-116	0.00	16.4	G7847	
Surrogate Recovery							
Decachlorobiphenyl	0.2 ug/l	95.5/98.0	41.9-115	-		G7847	
Tetrachloro-m-xylene	0.2 ug/l	79.5/77.5	42.9-109	-		G7847	
Total Recoverable:							
Cadmium	0.05 mg/l	97.8/103	85-115	5.18	20	S26865	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Total Recoverable:							
Cadmium	0.05 mg/l	93.8/100	75-125	6.65	20	S26865	



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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
Bis(2-ethylhexyl)phthalate		< 2.5	ug/l	2.5	5	B6072-1	
Surrogate Recovery							
2-Fluorobiphenyl		85.4	%	-	-	B6072-1	
2-Fluorophenol		54.3	%	-	-	B6072-1	
Nitrobenzene-D5		84.1	%	-	-	B6072-1	
Phenol-D5		45.8	%	-	-	B6072-1	
Terphenyl-D14		83.2	%	-	-	B6072-1	
2,4,6-Tribromophenol		51.6	%	-	-	B6072-1	
Organochlorine Pesticides and PCBs By EPA 608							
alpha-Endosulfan		< 0.014	ug/l	0.014	0.02	G7847-1	
Dieldrin		< 0.002	ug/l	0.002	0.02	G7847-1	
Surrogate Recovery							
Decachlorobiphenyl		100	%	-	-	G7847-1	
Tetrachloro-m-xylene		96.5	%	-	-	G7847-1	
Total Recoverable:							
Cadmium	EPA 200.8	< 0.004	mg/l	0.004	0.004	S26865-1	



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QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Metals	09DEC09 1409 286	11DEC09 1801 270		S26865-3	
Base/Neutral and Acid Compounds	09DEC09 1549 290	16DEC09 1200 167		B6072-2	
Base/Neutral and Acid Compounds	09DEC09 1549 290	16DEC09 1238 167		B6072-3	
Organochlorine Pesticides and PCBs	09DEC09 0943 290	11DEC09 1721 288		G7847-2	
Organochlorine Pesticides and PCBs	09DEC09 0943 290	11DEC09 1735 288		G7847-3	
Total Recoverable:					
Metals	09DEC09 1409 286	11DEC09 1753 270		S26865-2	
Metals	09DEC09 1409 286	11DEC09 1801 270		S26865-3	

MATRIX SPIKE SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Metals	09DEC09 1409 286	11DEC09 1820 270		S26865-5	
Total Recoverable:					
Metals	09DEC09 1409 286	11DEC09 1811 270		S26865-4	
Metals	09DEC09 1409 286	11DEC09 1820 270		S26865-5	

LABORATORY BLANKS

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Base/Neutral and Acid Compounds	09DEC09 1549 290	15DEC09 1713 167		B6072-1	
Organochlorine Pesticides and PCBs	09DEC09 0943 290	11DEC09 1707 288		G7847-1	
Total Recoverable:					
Metals	09DEC09 1409 286	11DEC09 1744 270		S26865-1	