

PINE BLUFF WASTEWATER UTILITY

1520 S. OHIO ST. • PINE BLUFF, ARKANSAS 71601-6055 • PHONE: (870) 535-6603 • FAX (870) 535-6243

March 25, 2009

Mr. Allen Gilliam
Pretreatment Coordinator
ADEQ
5301 N. Shore Dr.
North Little Rock, AR 72118-5317

RE: 2008 Annual Report: AR0033316 (Boyd Point Facility)

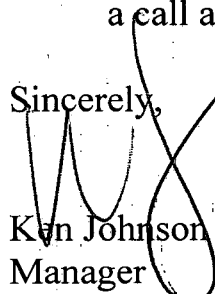
Dear Mr. Gilliam:

Please see attached a copy of our annual pretreatment report in compliance with our NPDES permit. As a report requirement, I have listed the following:

1. Analytical data
2. List of SIU's

We have no SIU's that are in SNC, therefore a newspaper notification has been attached. All SIU's are now issued a permit for a five (5) year period. If you should need additional information, please give us a call at (870) 535-6603.

Sincerely,


Ken Johnson
Manager

Cc: Vincent Miles, Environmental Compliance Supervisor
Lorraine Steward, Enforcement Assistant

*See Attachment

Received 3-25-09
RA

ATTACHMENT C

PRETREATMENT PERFORMANCE SUMMARY (PPS)

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY ADEQ. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT DEPARTMENT AUTHORIZATION.

I. General Information

Control Authority Name PINE BLUFF WASTEWATER UTILITY

Address 1520 SOUTH OHIO ST.

City PINE BLUFF State/Zip ARKANSAS 71601

Contact Person KENNETH JOHNSON Position MANAGER

Contact Telephone 870-535-6603 NPDES Permit Nos. AR0033316

Reporting Period 03/2008 03/2009

(Beginning Month and Year)

(Ending Month and Year)

Total Number of Categorical IUs 4

Total Number of Significant Noncategorical IUs 6

Total Number of Non-Significant (yet permitted) IUs

II. Significant Industrial User Compliance

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of SIUs Submitting BMRs/Total No. Required.	<u>0/0</u>	<u>N/A*</u>
2) No. of SIUs Submitting 90-Day Compliance Reports/No. Required.	<u>0/0</u>	<u>N/A*</u>
3) No. of SIUs Submitting Semiannual Reports/ Total No. Required.	<u>0/0</u>	<u>0 0</u>
4) No. of SIUs Meeting Compliance Schedule/ Total No. Required to Meet Schedule	<u>0/0</u>	<u>1/1</u>
5) No. of SIUs in Significant Noncompliance/ Total No. of SIUs	<u>0/4</u>	<u>0/6</u>
6) Rate of Significant Noncompliance for all SIUs (categorical and noncategorical) . .		<u>/</u>

III. Compliance Monitoring Program

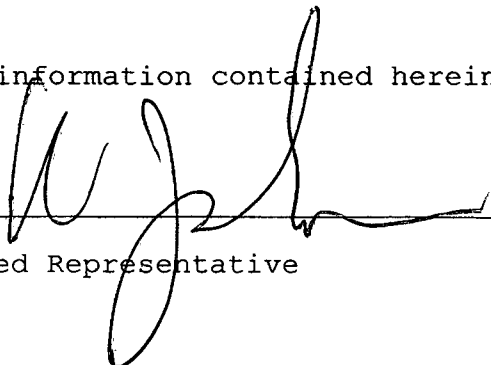
	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued/Total No. Required.	<u>4/4</u>	<u>6/6</u>
2) No. of Nonsampling Inspections Conducted. .	<u>4/4</u>	<u>6/6</u>
3) No. of Sampling Visits Conducted.	<u>159/159</u>	<u>207/207</u>
4) No. of Facilities Inspected (nonsampling) .	<u>4/4</u>	<u>6/6</u>
5) No. of Facilities Sampled	<u>4/4</u>	<u>6/6</u>

IV. Enforcement Actions

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Compliance Schedules Issued/No. of Schedules Required	<u>0/0</u>	<u>1/1</u>
2) No. of Notices of Violations Issued to SIUs	<u>7</u>	<u>4</u>
3) No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4) No. of Civil Suits Filed.	<u>0</u>	<u>0</u>
5) No. of Criminal Suits Filed	<u>0</u>	<u>0</u>
6) No. of Significant Violators (attach newspaper publication).	<u>0</u>	<u>0</u>
7) Amount of Penalties (not surcharges) Collected (total dollars/IUs assessed) . . .	<u>0/0</u>	<u>0/0</u>
8) Other Actions (sewer bans, etc.).	<u>0</u>	<u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.



 Authorized Representative

Date 3/25/09

ATTACHMENT A
PRETREATMENT PROGRAM STATUS REPORT
UPDATED SIGNIFICANT INDUSTRIAL USERS LIST

Industrial User Name	NAICS Code	40 CFR XXX or N/A	Control Document		New User	Times Inspected	Times Sampled	Compliance Status (C, NC, or SNC)				Permit Limits
			Y/N	Last Action				Reports				
								BMR	90-day Compliance	Semi Annual	Self Monitoring	
ARAMARK SERVICES	7218		Y	8/15/08	NO	ANNUALLY	3/MONTH	N/A	COMPLIANT	N/A	N/A	
CENTRAL MOLONEY	3612	433	Y	2/18/08	NO	ANNUALLY	3/MONTH	N/A	COMPLIANT	N/A	N/A	
JEFFERSON REGIONAL MEDICAL CENTER	8062		Y	12/24/08	NO	ANNUALLY	4/MONTH	N/A	COMPLIANT	N/A	N/A	
PLANTER'S COTTON	2074		Y	1/20/09	NO	ANNUALLY	2/MONTH	N/A	COMPLIANT	N/A	N/A	NC
UNION PACIFIC	4011		Y	9/26/08	NO	ANNUALLY	3/MONTH	N/A	COMPLIANT	N/A	N/A	
STANT	3471	433	Y	9/01/08	NO	ANNUALLY	2/MONTH	N/A	COMPLIANT	N/A	N/A	NC
ARCELOR	3315	433	Y	6/18/04	NO	ANNUALLY	4/MONTH	N/A	COMPLIANT	N/A	N/A	
TYSON-IND. PARK	2015		Y	8/01/08	NO	ANNUALLY	4/MONTH	N/A	COMPLIANT	N/A	N/A	
WHEELING MACHINE	3498	433	Y	8/28/08	NO	ANNUALLY	2/MONTH	N/A	COMPLIANT	N/A	N/A	NC
WASTE MANAGEMENT-GPR	4953		Y	6/18/07	NO	ANNUALLY	1/BATCH	N/A	COMPLIANT	N/A	N/A	

*ALLIED TUBE-A, ALLIED TUBE-B, & ALLIED TUBE-C CLOSED ITS OPERATION EFFECTIVE SEPTEMBER 30TH, 2008.

ATTACHMENT B
SIGNIFICANT VIOLATIONS - ENFORCEMENT ACTIONS TAKEN

Industrial User Name	Nature of Violation		Number of Action Taken					Penalties Collected	Compliance Schedule		Current Status	Comments
	Reports	Limits	N.O.V.	A.O.	Civil	Criminal	Other		Date Issued	Date Due		
ARMARK				0	0	0	0	0			COMPLIANT	
CENTRAL MOLONEY				0	0	0	0	0			COMPLIANT	
JEFFERSON REGIONAL MEDICAL CENTER				0	0	0	0	0			COMPLIANT	
PLANTER'S COTTON	SAMPLING	ORGANIC	4	0	0	0	0	0	6/01	9/01	COMPLIANT	4-HEXANE
UNION PACIFIC				0	0	0	0	0			COMPLIANT	
STANT	SAMPLING	METAL	1	0	0	0	0	0			COMPLIANT	1-ZINC
WHEELING MACHINE	SAMPLING	METAL	3	0	0	0	0	0			COMPLIANT	2-ZINC 1-NICKEL
ARCELOR				0	0	0	0	0			COMPLIANT	
WASTE MANAGEMENT-GPR				0	0	0	0	0			COMPLIANT	
ALLIED TUBE 10-C	SAMPLING	METAL	3	0	0	0	0	0				2-ZINC 1-NICKEL

*SEMI-ANNUAL REPORTS ARE NO LONGER REQUIRED DUE TO CONTROL AUTHORITY PERFORM ALL OF THE SAMPLING OF INDUSTRIAL USERS.

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: MARCH , 2008 TO MARCH , 2009
TREATMENT PLANT: City of PINE BLUFF NPDES PERMIT #AR0033316
AVERAGE POTW FLOW: 10.5 MGD % IU FLOW: 25%

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED-A (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	INFLUENT DATES SAMPLED-C (µg/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
		3/2008	5/2008	9/2008	11/2008		3/2008	5/2008	9/2008	11/2008			
Antimony	N/A	<MDL	<MDL	<MDL	<MDL	N/A	<MDL	<MDL	<MDL	<MDL	60	200.7	128
Cadmium	165	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	16
Copper	821	<MDL	250	66	99		<MDL	150	40	27	0.5	200.7	24
Lead	513	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	168
Mercury	0.35	0.032	0.014	<MDL	<MDL		0.012	0.047	<MDL	<MDL	.005	245.7	0.0018
Nickel	1,000	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	60
Selenium	200	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	5	200.7	300
Silver	190	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	28
Zinc	370	162	364	527	417		359	339	266	238	20	200.7	8
Chromium	1,000	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	10	200.7	28
Cyanide	100	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	29	<MDL	10	335.2	20
Arsenic	100	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	212
Molybdenum	200	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	--	200.7	32
Phenols	N/A	22	127	53	15	N/A	57	112	116	191	5	4AAP	
Beryllium	100	<MDL	<MDL	<MDL	<MDL		<MDL	<MDL	<MDL	<MDL	0.5	200.7	1.0
Thallium	N/A	<MDL	<MDL	<MDL	<MDL	N/A	<MDL	<MDL	<MDL	<MDL	0.5	200.7	160
Flow, MGD	N/A					N/A							
(3)													

*AN EXPLANATION FOR THE DETECTION LEVEL ACHIEVED AND A REPORT FROM OUR CONTRACT LABORATORY HAS BEEN ATTACHED TO THIS REPORT.

(ATTACHMENT)

Pine Bluff Wastewater Utility failed to recognize that they would have to meet the EPA MQL requirement on the Annual Pretreatment Report. Most of the results reported were analyzed by our in house laboratory. Although we have the instrumentation to meet some of the EPA MQL, we allowed ourselves to become so heavily absorbed with work in preparation for our new NPDES and other pretreatment issues that we failed to take actions in time.

We are fully aware that failure to complete this report may result in the state decision to not accept it. We are reporting the results and detection level used along with an analytical report from our contract laboratory. As you will notice, the contract lab can meet the EPA MQL. In the future, Pine Bluff Wastewater Utility will use a contract lab that can meet the EPA MQL and report those results on our Annual Pretreatment Report. If there should be any additional sampling required by the state regulatory agency, we will comply with the request.

However, we do not feel that we will exceed our Water Quality Levels even though our present detection limit is not as sensitive as the EPA MQL requirement.

We appreciate you working with us and we look forward to any recommendations by your office.

Sincerely,



Vincent Miles
Environmental Compliance Supervisor

Cc: Ken Johnson, Manager



Pine Bluff Wastewater Utility
ATTN: Mr. Vincent Miles
1520 South Ohio Street
Pine Bluff, AR 71601-6055

A large, stylized 'FAXED' stamp with a date of '6/20/08' written across the middle of the letters.

Dear Mr. Vincent Miles:

Project Description: Two (2) water sample(s) received on June 10, 2008
JUNE
P.O. No. 12430

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on June 10, 2008. The following results are applicable only to the samples 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 appropriate 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 _____

A handwritten signature in black ink, appearing to read 'John Overbey', written over a horizontal line. Below the signature, the name 'John Overbey' and title 'Laboratory Director' are printed.

Enclosure(s): Chains of Custody



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

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

QUALIFIERS

<u>Qualifiers</u>	<u>Definition</u>
H	Analytical holding time exceeded regulatory requirements

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).



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 120158-1

Sample Identification: BP-EFF-0608 6/9/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Chromium, Hexavalent	SM 3500-Cr B	< 10	10	ug/l	W25401	H
Total Recoverable:						
Antimony	EPA 200.8	< 60	60	ug/l	S23248	
Arsenic	EPA 200.8	1.3	0.5	ug/l	S23248	
Beryllium	EPA 200.8	< 0.5	0.5	ug/l	S23248	
Cadmium	EPA 200.8	< 0.5	0.5	ug/l	S23248	
Chromium	EPA 200.8	< 10	10	ug/l	S23248	
Copper	EPA 200.8	5.5	0.5	ug/l	S23248	
Lead	EPA 200.8	0.71	0.5	ug/l	S23248	
Nickel	EPA 200.8	3.5	0.5	ug/l	S23248	
Selenium	EPA 200.8	< 5	5	ug/l	S23248	
Silver	EPA 200.8	< 0.5	0.5	ug/l	S23248	
Thallium	EPA 200.8	< 0.5	0.5	ug/l	S23248	
Zinc	EPA 200.8	< 20	20	ug/l	S23248	

AIC No. 120158-2

Sample Identification: BP-EFF-Cyanide, Phenol 6/9/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Recoverable Phenolics	EPA 420.1	0.082	0.005	mg/l	W25413	
Total Cyanide	SM4500-CN C,E	< 10	10	ug/l	W25404	



Pine Bluff Wastewater Utility
 1520 South Ohio Street
 Pine Bluff, AR 71601-6055

SAMPLE PREPARATION REPORT

AIC No. 120158-1	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte	-	10JUN08 1605 258		W25401	H
Chromium, Hexavalent					
Total Recoverable: Metals	11JUN08 0934 282	11JUN08 1436 270		S23248	

AIC No. 120158-2	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte	-	11JUN08 1126 283		W25413	
Total Recoverable Phenolics				W25404	
Total Cyanide	11JUN08 1401 283	13JUN08 0934 258			

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

SAMPLE DUPLICATE RESULTS

AIC No. 120158-1	Method	Sample Result	Duplicate Result	Units	RPD	RPD Limit	Batch	Qualifier
Analyte								
Chromium, Hexavalent	SM 3500-Cr B	< 10	< 10	ug/l	0.00	20	W25401	

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Total Recoverable Phenolics	0.2 mg/l	97.5/92.5	85-115	5.26	10	W25413	
Chromium, Hexavalent	0.05 mg/l	100	84.4-109	-		W25401	
Cyanide	0.1 mg/l	97.4/94.9	85-115	2.60	20	W25404	
Total Recoverable:							
Antimony	0.05 mg/l	98.0/98.4	85-115	0.491	20	S23248	
Arsenic	0.05 mg/l	94.8/94.9	85-115	0.0485	20	S23248	
Beryllium	0.05 mg/l	91.3/96.1	85-115	5.19	20	S23248	
Cadmium	0.05 mg/l	96.1/96.5	85-115	0.459	20	S23248	
Chromium	0.05 mg/l	95.5/97.0	85-115	1.60	20	S23248	
Copper	0.05 mg/l	97.3/97.7	85-115	0.362	20	S23248	
Lead	0.05 mg/l	97.3/98.5	85-115	1.26	20	S23248	
Nickel	0.05 mg/l	99.4/98.6	85-115	0.801	20	S23248	
Selenium	0.05 mg/l	94.2/94.1	85-115	0.128	20	S23248	
Silver	0.02 mg/l	96.8/94.3	85-115	2.64	20	S23248	
Thallium	0.05 mg/l	99.2/99.9	85-115	0.701	20	S23248	
Zinc	0.05 mg/l	100/99.9	85-115	0.325	20	S23248	

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Total Recoverable Phenolics	0.2 mg/l	93.5	80-120	-	10	W25413	
Chromium, Hexavalent	0.05 mg/l	99.8	80-120	-		W25401	
Cyanide	0.1 mg/l	86.6/89.3	75-125	3.07	20	W25404	
Total Recoverable:							
Antimony	0.05 mg/l	98.5/97.2	75-125	1.32	20	S23248	
Arsenic	0.05 mg/l	96.3/96.3	75-125	0.0101	20	S23248	
Beryllium	0.05 mg/l	95.2/94.6	75-125	0.675	20	S23248	
Cadmium	0.05 mg/l	95.5/95.0	75-125	0.583	20	S23248	
Chromium	0.05 mg/l	93.7/93.3	75-125	0.362	20	S23248	
Copper	0.05 mg/l	93.8/95.4	75-125	1.70	20	S23248	
Lead	0.05 mg/l	96.7/97.4	75-125	0.750	20	S23248	
Nickel	0.05 mg/l	94.6/95.3	75-125	0.731	20	S23248	
Selenium	0.05 mg/l	94.0/94.3	75-125	0.356	20	S23248	
Silver	0.02 mg/l	92.7/94.3	75-125	1.72	20	S23248	
Thallium	0.05 mg/l	98.8/100	75-125	1.16	20	S23248	
Zinc	0.05 mg/l	93.2/98.3	75-125	5.14	20	S23248	

Pine Bluff Wastewater Utility
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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Total Recoverable Phenolics	EPA 420.1	< 0.005	mg/l	0.005	0.005	W25413-1	
Chromium, Hexavalent	SM 3500-Cr B	< 10	ug/l	10	10	W25401-1	
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W25404-1	
Total Recoverable:							
Antimony	EPA 200.8	< 0.03	mg/l	0.03	0.03	S23248-1	
Arsenic	EPA 200.8	< 0.0005	mg/l	0.0005	0.0005	S23248-1	
Beryllium	EPA 200.8	< 0.0002	mg/l	0.0002	0.0002	S23248-1	
Cadmium	EPA 200.8	< 0.0001	mg/l	0.0001	0.0001	S23248-1	
Chromium	EPA 200.8	< 0.007	mg/l	0.007	0.007	S23248-1	
Copper	EPA 200.8	< 0.0005	mg/l	0.0005	0.0005	S23248-1	
Lead	EPA 200.8	< 0.0005	mg/l	0.0005	0.0005	S23248-1	
Nickel	EPA 200.8	< 0.0005	mg/l	0.0005	0.0005	S23248-1	
Selenium	EPA 200.8	< 0.002	mg/l	0.002	0.002	S23248-1	
Silver	EPA 200.8	< 0.0002	mg/l	0.0002	0.0002	S23248-1	
Thallium	EPA 200.8	< 0.0005	mg/l	0.0005	0.0005	S23248-1	
Zinc	EPA 200.8	< 0.002	mg/l	0.002	0.002	S23248-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

QUALITY CONTROL PREPARATION REPORT

DUPLICATE SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Chromium, Hexavalent	-	10JUN08 1606	258	W25401-3	

LABORATORY CONTROL SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Total Recoverable Phenolics	-	11JUN08 1127	283	W25413-2	
Total Recoverable Phenolics	-	11JUN08 1127	283	W25413-3	
Chromium, Hexavalent	-	10JUN08 1606	258	W25401-2	
Cyanide	11JUN08 0855	283 13JUN08 0956	258	W25404-2	
Cyanide	11JUN08 0855	283 13JUN08 0902	258	W25404-3	
Metals	11JUN08 0935	282 11JUN08 1237	270	S23248-3	
Total Recoverable: Metals	11JUN08 0935	282 11JUN08 1232	270	S23248-2	
Metals	11JUN08 0935	282 11JUN08 1237	270	S23248-3	

MATRIX SPIKE SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Total Recoverable Phenolics	-	11JUN08 1127	283	W25413-5	
Chromium, Hexavalent	-	10JUN08 1606	258	W25401-4	
Cyanide	11JUN08 0855	283 13JUN08 0906	258	W25404-4	
Cyanide	11JUN08 0855	283 13JUN08 0908	258	W25404-5	
Metals	11JUN08 0935	282 11JUN08 1248	270	S23248-5	
Total Recoverable: Metals	11JUN08 0935	282 11JUN08 1243	270	S23248-4	
Metals	11JUN08 0935	282 11JUN08 1248	270	S23248-5	

LABORATORY BLANKS

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Total Recoverable Phenolics	-	11JUN08 1127	283	W25413-1	
Chromium, Hexavalent	-	10JUN08 1606	258	W25401-1	
Cyanide	11JUN08 0855	283 13JUN08 0858	258	W25404-1	
Total Recoverable: Metals	11JUN08 0935	282 11JUN08 1226	270	S23248-1	

120158

2008 SAMPLE CUSTODY REPORT

PINE BLUFF WASTEWATER UTILITY
1520 SOUTH OHIO STREET
PINE BLUFF, AR 71601-6055

PBWWU LAB. TEL. (870) 535 0821

PBWWU LAB. FAX NUMBER:

(870) 535 0822

P.O. NUMBER:

12430

MONTH:

JUNE

SAMPLE ID	BP-EFF-0608	BP-EFF-0608
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	BOYD POINT	BOYD POINT
SAMPLE TYPE	EFFLUENT	EFFLUENT
COLLECTION DAY	24 HRS TIME COMP	24 HRS TIME COMP
COLLECTION TIME	6/9/2008	6/9/2008
PARAMETER	0900 HRS	0900 HRS
SAMPLE COLLECTOR	METAL-PPS FORM	METAL-PPS FORM
PRESERVATION	SJC/NMJ	SJC/NMJ
	HNO3,pH<2	HNO3,pH<2

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
SAMPLE TRANSPORT BY:	<i>Jeanette Hapton</i>
SAMPLE TRANSPORT DATE & TIME:	6-10-08 1325 (hrs)

I Jeanette Hapton, HAVE RECEIVED WASTEWATER SAMPLE(S) FROM PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE

ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR

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2008 SAMPLE CUSTODY REPORT

PINE BLUFF WASTEWATER UTILITY
1520 SOUTH OHIO STREET
PINE BLUFF, AR 71601-6055

PBWWU LAB. TEL. (870) 535 0821

PBWWU LAB. FAX NUMBER:

(870) 535 0822

P.O. NUMBER:

12430

MONTH:

JUNE

SAMPLE ID	BP-EFF-CYANIDE	BP-EFF-PHENOL	BP-EFF-CHROMIUM
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	BOYD POINT EFFLUENT	BOYD POINT EFFLUENT	BOYD POINT EFFLUENT
SAMPLE TYPE	GRAB	GRAB	24 HRS TIME COMP
COLLECTION DAY	6/9/2008	6/9/2008	6/9/2008
COLLECTION TIME	0900 HRS	0900 HRS	0900 HRS
PARAMETER	CYANIDE-PPS FORM	PHENOL-PPS FORM	CHROMIUM(6+)PPS
SAMPLE COLLECTOR	SJC/NMJ	SJC/NMJ	SJC/NMJ
PRESERVATION	NAOH; pH>12	H2SO4; pH<2	NONE

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
SAMPLE TRANSPORT BY:	<i>Suzanne Hapton</i>
SAMPLE TRANSPORT DATE & TIME:	6-10-08 1325 (hrs)

I *Suzanne Hapton*, HAVE RECEIVED WASTEWATER SAMPLE(S) FROM
PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND
THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND
THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE

ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR

* PPS Form *

120158

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				60
2. Arsenic (Total), Recoverable				0.5
3. Beryllium (Total), Recoverable				0.5
4. Cadmium (Total), Recoverable				0.5
5. Chromium (Total), Recoverable				10
7. Chromium (6+), Dissolved				10
8. Copper (Total), Recoverable				0.5
9. Lead (Total), Recoverable				0.5
10. Mercury (Total), Recoverable				0.005
12. Nickel (Total), Recoverable				0.5
13. Selenium (Total), Recoverable				5
14. Silver (Total), Recoverable				0.5
15. Thallium (Total), Recoverable				0.5
16. Zinc (Total), Recoverable				20.
129. Phenols, Total Recoverable				5
17. Cyanide (Total), Recoverable				10

PINE BLUFF WASTEWATER UTILITY

1520 S. OHIO ST. PINE BLUFF, ARKANSAS 71601-6055 PHONE: (870) 535-6603 FAX (870) 535-6243

March 18, 2009

Theresa Brinkey
Pine Bluff Commercial
300 Beech Street
Pine Bluff, AR 71601

ATTN: Legal Advertisement Department

Dear Ms. Brinkey:

Please run the following legal advertisement for one (1) day, Friday, March 20, 2009. Bill the Pine Bluff Wastewater Utility, 1520 S. Ohio Street, Pine Bluff, Arkansas 71601, using Purchase Order Number **15041**.

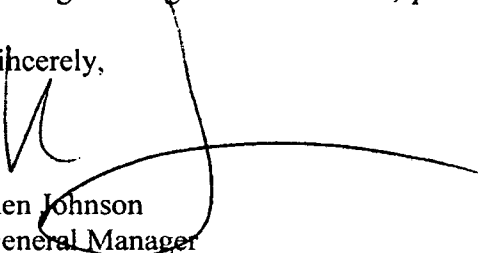
Pine Bluff Wastewater Utility
Industrial Pretreatment Program Notice

We are required by the Federal Environmental Protection Agency (EPA) to provide this public announcement regarding any major industrial user in significant noncompliance with our local pretreatment program. During 2008, we did not have any industrial user in "significant" noncompliance.

Ken Johnson
General Manager

If you should have any questions regarding this legal advertisement, please call me at 535-6603.

Sincerely,


Ken Johnson
General Manager

MISSION

We are committed to providing our customers with efficient, reliable service while protecting the public health and maintaining a clean environment.

SIGNIFICANT INDUSTRIES

INDUSTRY	MFG. OPERATION	CONTACT PERSON	PERMIT EXP. DATE
Aramark Uniform Services – MC 592 5508 Jefferson Parkway Pine Bluff, AR 71602 tom.dikos@uniform.aramark.com 2300 Warrenville Rd. Downers Grove, IL 60515	Industrial Laundry	Tom Dikos Envir. Eng. 708-479-9487 or 247-5435 FAX: 630-271-5976 Attn: Linda Petrush	8/15/2013 #35
Central Moloney, Inc. - B P.O. Box 6608 Pine Bluff, AR 71611 pskuban@centralmoloneyinc.com	Power Transformers	Paul Skuban Envir. & Safety Mgr. 534-5332 FAX: 526-4002	2/18/2013 #26
Jefferson Reg. Medical Center 1515 W. 42 nd Pine Bluff, AR 71603 trussellw@jrmc.org	Hospital	Wesley Trussel Dir. Plant Operations 541-7754 FAX: 541-7728	12/24/2013 #39
Planters Cotton Oil 2901 Planters Dr. Pine Bluff, AR 71601 bhaynes@plantersoil.com	Cotton Seed Processor	Blake Haynes Compliance Officer 536-4744 FAX: 535-1513	1/20/2014 #12
Stant, Inc. 5300 Jefferson Parkway Pine Bluff, AR 71602 sorszula@stdthom.com	Electroplating Metal-Finishing	Stanley Orsazulak Env. Engineer (781) 392-3533 FAX: (781) 894-2235	9/01/2013 #43
Arcelor P.O. Box 9450 Pine Bluff, AR 71611 mike.barrett@arcelor-pb.com	Steel Wire Belts	Mike Barrett Evironmental Mgr. 247-2444 ext. 794 FAX: 247-1622	6/18/09 #17
Tyson (@Ind. Park) 5505 N. Jefferson Pkwy. Pine Bluff, AR 71602 tommy.tooke@tyson.com	Cooked Poultry	Tommy Tooke Env. Manager 247-9127 FAX: 247-6066	8/1/2013 #5

INDUSTRY	MFG. OPERATION	CONTACT PERSON	PERMIT EXP. DATE
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Wheeling Machine
5411 Industrial Dr. S.
Pine Bluff, AR 71602
cpowell@wheelingmachineproducts.com

Electroplating
Metal-Finishing

Craig Powell
247-7119
FAX: 247-5421

8/28/2013
#53

Union Pacific RR
3511 Papermill Road
Pine Bluff, AR 71601
jwstewar@up.com
or
1001 W. 4th Street
North Little Rock, AR 72114
Attn: John Stewart

Diesel Oil

John Stewart
District Manager
FAX: 541-1794
541-1794 (B.W.)

9/26/2013
#30

501-373-2304
Fax: 501-373-2835

SPECIAL PURPOSE USERS:

Waste Management
Gravel Pit Rd.
6000 Gravel Pit Rd.
Pine Bluff, AR 71602
(Billing)
2859 Paces Ferry Rd. Suite 1600 (Billing Address)
Atlanta, GA 30339

Landfill Leachate

Hugh Cockrell
247-0068
FAX:247-5057

6/18/2012
WM-SRL#7-01

Waste Management
Shannon Rd. Landfill
7700 Shannon Rd.
Pine Bluff, AR 71603
MSynder@wm.com

Landfill Leachate

Mark R. Snyder, P.E
Project Mgr.
Closed Sites
(770) 805-3529
FAX: (770) 438-7177

WM-SRL#8-02



Pine Bluff Wastewater Utility
ATTN: Mr. Vincent Miles
1520 South Ohio Street
Pine Bluff, AR 71601-6055

Dear Mr. Vincent Miles:

Project Description: Three (3) water sample(s) received on May 23, 2008
MAY
Boyd Point Effluent
P.O. No. 12274

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on May 23, 2008. The following results are applicable only to the samples 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 appropriate 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 _____

A handwritten signature in black ink, appearing to read 'John Overbey', is written over a horizontal line. Below the signature, the name 'John Overbey' and title 'Laboratory Director' are printed in a standard font.

John Overbey
Laboratory Director

Enclosure(s): Chain of Custody

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

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

COMMENTS

Elevated reporting limits for chlorinated pesticides and semi-volatiles are due to matrix interference.

QUALIFIERS

Qualifiers	Definition
R	n-Nitrosodiphenylamine cannot be separated from diphenylamine

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).

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119723-1

Sample Identification: BP-EFF-0508-VOA 5/21/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Volatile Organic Compounds By EPA 624						
Acrolein		< 50	50	ug/l	V6664	
Acrylonitrile		< 50	50	ug/l	V6664	
Benzene		< 4.4	4.4	ug/l	V6664	
Bromoform		< 4.7	4.7	ug/l	V6664	
Carbon tetrachloride		< 2.8	2.8	ug/l	V6664	
Chlorobenzene		< 6	6	ug/l	V6664	
Chlorodibromomethane		< 3.1	3.1	ug/l	V6664	
Chloroethane		< 8.7	8.7	ug/l	V6664	
2-Chloroethylvinyl ether		< 5.1	5.1	ug/l	V6664	
Chloroform		< 1.6	1.6	ug/l	V6664	
Dichlorobromomethane		< 2.2	2.2	ug/l	V6664	
1,1-Dichloroethane		< 4.7	4.7	ug/l	V6664	
1,2-Dichloroethane		< 2.8	2.8	ug/l	V6664	
1,1-Dichloroethylene		< 2.8	2.8	ug/l	V6664	
trans-1,2-Dichloroethylene		< 1.6	1.6	ug/l	V6664	
1,2-Dichloropropane		< 6	6	ug/l	V6664	
cis-1,3-Dichloropropylene		< 5	5	ug/l	V6664	
trans-1,3-Dichloropropylene		< 1.3	1.3	ug/l	V6664	
Ethylbenzene		< 7.2	7.2	ug/l	V6664	
Methyl bromide(Bromomethane)		< 8.9	8.9	ug/l	V6664	
Methyl chloride(Chloromethane)		< 7.8	7.8	ug/l	V6664	
Methylene chloride		< 10	10	ug/l	V6664	
1,1,2,2-Tetrachloroethane		< 6.9	6.9	ug/l	V6664	
Tetrachloroethylene		< 4.1	4.1	ug/l	V6664	
Toluene		< 6	6	ug/l	V6664	
1,1,1-Trichloroethane		< 3.8	3.8	ug/l	V6664	
1,1,2-Trichloroethane		< 5	5	ug/l	V6664	
Trichloroethylene		< 1.9	1.9	ug/l	V6664	
Vinyl chloride		< 6.4	6.4	ug/l	V6664	
Surrogate Recovery						
Bromofluorobenzene		97.6	-	%	V6664	
Dibromofluoromethane		106	-	%	V6664	
Toluene-D8		94.6	-	%	V6664	

AIC No. 119723-2

Sample Identification: BP-EFF-SEMI-VOA 5/21/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Acenaphthene		< 3.8	3.8	ug/l	B5111	
Acenaphthylene		< 7	7	ug/l	B5111	
Anthracene		< 3.8	3.8	ug/l	B5111	
Benzidine		< 88	88	ug/l	B5111	
Benzo(a)anthracene		< 10	10	ug/l	B5111	
Benzo(a)pyrene		< 5	5	ug/l	B5111	
Benzo(g,h,i)perylene		< 8.2	8.2	ug/l	B5111	
Benzo(k)fluoranthene		< 5	5	ug/l	B5111	
3,4-Benzofluoranthene		< 9.6	9.6	ug/l	B5111	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119723-2 (Continued)

Sample Identification: BP-EFF-SEMI-VOA 5/21/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Bis(2-chloroethoxy)methane		< 11	11	ug/l	B5111	
Bis(2-chloroethyl)ether		< 12	12	ug/l	B5111	
Bis(2-chloroisopropyl)ether		< 12	12	ug/l	B5111	
Bis(2-ethylhexyl)phthalate		< 5	5	ug/l	B5111	
4-Bromophenyl phenyl ether		< 3.8	3.8	ug/l	B5111	
Butylbenzyl phthalate		< 5	5	ug/l	B5111	
2-Chloronaphthalene		< 3.8	3.8	ug/l	B5111	
2-Chlorophenol		< 6.6	6.6	ug/l	B5111	
4-Chlorophenyl phenyl ether		< 8.4	8.4	ug/l	B5111	
Chrysene		< 5	5	ug/l	B5111	
Di-n-butyl phthalate		< 5	5	ug/l	B5111	
Di-n-octyl phthalate		< 5	5	ug/l	B5111	
Dibenzo(a,h)anthracene		< 5	5	ug/l	B5111	
1,2-Dichlorobenzene		< 3.8	3.8	ug/l	B5111	
1,3-Dichlorobenzene		< 3.8	3.8	ug/l	B5111	
1,4-Dichlorobenzene		< 8.8	8.8	ug/l	B5111	
3,3'-Dichlorobenzidine		< 10	10	ug/l	B5111	
2,4-Dichlorophenol		< 5.4	5.4	ug/l	B5111	
Diethyl phthalate		< 3.8	3.8	ug/l	B5111	
Dimethyl phthalate		< 3.2	3.2	ug/l	B5111	
2,4-Dimethylphenol		< 5.4	5.4	ug/l	B5111	
4,6-Dinitro-o-cresol		< 48	48	ug/l	B5111	
2,4-Dinitrophenol		< 84	84	ug/l	B5111	
2,4-Dinitrotoluene		< 12	12	ug/l	B5111	
2,6-Dinitrotoluene		< 3.8	3.8	ug/l	B5111	
1,2-Diphenylhydrazine		< 22	22	ug/l	B5111	
Fluoranthene		< 4.4	4.4	ug/l	B5111	
Fluorene		< 3.8	3.8	ug/l	B5111	
Hexachlorobenzene		< 3.8	3.8	ug/l	B5111	
Hexachlorobutadiene		< 1.8	1.8	ug/l	B5111	
Hexachlorocyclopentadiene		< 10	10	ug/l	B5111	
Hexachloroethane		< 3.2	3.2	ug/l	B5111	
Indeno(1,2,3-cd)pyrene		< 7.4	7.4	ug/l	B5111	
Isophorone		< 4.4	4.4	ug/l	B5111	
n-Nitrosodi-n-propylamine		< 1.7	1.7	ug/l	B5111	
n-Nitrosodimethylamine		< 2	2	ug/l	B5111	
n-Nitrosodiphenylamine		< 3.8	3.8	ug/l	B5111	R
Naphthalene		< 3.2	3.2	ug/l	B5111	
Nitrobenzene		< 3.8	3.8	ug/l	B5111	
2-Nitrophenol		< 7.2	7.2	ug/l	B5111	
4-Nitrophenol		< 4.8	4.8	ug/l	B5111	
p-Chloro-m-cresol		< 6	6	ug/l	B5111	
Pentachlorophenol		< 7.2	7.2	ug/l	B5111	
Phenanthrene		< 11	11	ug/l	B5111	
Phenol		< 3	3	ug/l	B5111	
Pyrene		< 3.8	3.8	ug/l	B5111	
1,2,4-Trichlorobenzene		< 3.8	3.8	ug/l	B5111	
2,4,6-Trichlorophenol		< 5.4	5.4	ug/l	B5111	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119723-2 (Continued)

Sample Identification: BP-EFF-SEMI-VOA 5/21/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Surrogate Recovery						
2-Fluorobiphenyl		83.7	-	%	B5111	
2-Fluorophenol		67.1	-	%	B5111	
Nitrobenzene-D5		81.4	-	%	B5111	
Phenol-D5		55.9	-	%	B5111	
Terphenyl-D14		86.3	-	%	B5111	
2,4,6-Tribromophenol		86.3	-	%	B5111	

AIC No. 119723-3

Sample Identification: BP-EFF-SEMI-VOA-2 5/21/2008 0900 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Organochlorine Pesticides and PCBs By EPA 608						
Aldrin		< 0.008	0.008	ug/l	G6932	
alpha-BHC		< 0.006	0.006	ug/l	G6932	
alpha-Endosulfan		< 0.028	0.028	ug/l	G6932	
beta-BHC		< 0.012	0.012	ug/l	G6932	
beta-Endosulfan		< 0.008	0.008	ug/l	G6932	
Chlordane		< 0.028	0.028	ug/l	G6932	
4,4'-DDD		< 0.022	0.022	ug/l	G6932	
4,4'-DDE		< 0.008	0.008	ug/l	G6932	
4,4'-DDT		< 0.024	0.024	ug/l	G6932	
delta-BHC		< 0.018	0.018	ug/l	G6932	
Dieldrin		< 0.004	0.004	ug/l	G6932	
Endosulfan sulfate		< 0.14	0.14	ug/l	G6932	
Endrin		< 0.012	0.012	ug/l	G6932	
Endrin aldehyde		< 0.046	0.046	ug/l	G6932	
gamma-BHC (Lindane)		< 0.008	0.008	ug/l	G6932	
Heptachlor		< 0.006	0.006	ug/l	G6932	
Heptachlor epoxide		< 0.17	0.17	ug/l	G6932	
PCB 1016		< 0.14	0.14	ug/l	G6932	
PCB 1221		< 0.4	0.4	ug/l	G6932	
PCB 1232		< 0.1	0.1	ug/l	G6932	
PCB 1242		< 0.12	0.12	ug/l	G6932	
PCB 1248		< 0.14	0.14	ug/l	G6932	
PCB 1254		< 0.4	0.4	ug/l	G6932	
PCB 1260		< 0.12	0.12	ug/l	G6932	
Toxaphene		< 0.48	0.48	ug/l	G6932	
Surrogate Recovery						
Decachlorobiphenyl		95.0	-	%	G6932	
Tetrachloro-m-xylene		81.6	-	%	G6932	



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

SAMPLE PREPARATION REPORT

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>Batch</u>	<u>Qualifier</u>
Volatile Organic Compounds		28MAY08 1252 167		V6664	

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>Batch</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1414 271	03JUN08 1647 194		B5111	R

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>Batch</u>	<u>Qualifier</u>
Organochlorine Pesticides and PCBs	27MAY08 1101 271	05JUN08 0800 194		G6932	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	50 ug/l	90.2/85.8	60-109	4.98	15.8	B5111	
Acenaphthylene	50 ug/l	92.6/87.7	62.9-105	5.43	98.1	B5111	
Anthracene	50 ug/l	89.1/86.6	63.6-109	2.85	50	B5111	
Benzo(a)anthracene	50 ug/l	94.2/92.3	33-143	2.12	50	B5111	
Benzo(a)pyrene	50 ug/l	96.4/92.6	17-163	4.06	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	96.7/97.6	58.5-107	0.906	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	96.2/82.1	11-162	15.9	30	B5111	
3,4-Benzofluoranthene	50 ug/l	97.4/93.5	24-159	4.09	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	85.3/82.8	59.8-106	2.95	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	80.0/78.8	61.9-106	1.59	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	81.0/78.5	59.6-108	3.16	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	88.9/83.9	61.9-126	5.83	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	74.2/71.9	68.7-114	3.15	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	93.2/87.1	59-125	6.79	17	B5111	
2-Chloronaphthalene	50 ug/l	86.2/82.1	67.4-94.4	4.94	19.7	B5111	
2-Chlorophenol	50 ug/l	81.8/79.6	60.9-105	2.72	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.2/80.8	67.8-108	4.05	14.6	B5111	
Chrysene	50 ug/l	88.4/83.2	40.3-122	6.04	30	B5111	
Di-n-butyl phthalate	50 ug/l	85.4/81.6	66.3-125	4.46	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	97.7/90.5	51-145	7.67	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	97.3/99.5	62.4-127	2.21	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	77.7/76.1	46.5-100	2.05	37	B5111	
1,3-Dichlorobenzene	50 ug/l	74.4/71.8	41.7-101	3.56	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	73.8/71.1	47.1-97.9	3.75	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	84.7/82.5	65.7-109	2.54	17.2	B5111	
Diethyl phthalate	50 ug/l	85.1/80.9	64.3-115	5.04	32	B5111	
Dimethyl phthalate	50 ug/l	86.9/72.3	68.9-108	18.4	28	B5111	
2,4-Dimethylphenol	50 ug/l	79.5/74.1	29-109	7.03	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	107/107	50.3-118	0.412	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	75.0/92.4	24.3-113	20.8	61	B5111	
2,4-Dinitrotoluene	50 ug/l	96.3/92.2	63.7-117	4.39	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	95.1/90.7	64.6-117	4.73	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	89.0/85.1	63.1-109	4.57	20.3	B5111	
Fluoranthene	50 ug/l	93.6/90.6	60.8-118	3.26	80	B5111	
Fluorene	50 ug/l	90.2/86.6	63.2-101	4.07	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9/86.5	66.6-107	1.51	18.5	B5111	
Hexachlorobutadiene	50 ug/l	78.2/73.7	41.2-99.5	5.93	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	79.9/73.7	36-109	8.08	31.5	B5111	
Hexachloroethane	50 ug/l	69.4/67.3	42.3-101	3.10	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	94.8/96.2	36.1-138	1.49	40.5	B5111	
Isophorone	50 ug/l	88.1/85.5	61.9-108	2.95	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	88.2/85.3	61.4-116	3.34	68	B5111	
n-Nitrosodimethylamine	50 ug/l	49.5/50.9	44.1-87.8	2.87	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	85.1/83.2	62.9-109	2.23	20	B5111	
Naphthalene	50 ug/l	84.2/81.8	67-92.6	2.87	30	B5111	
Nitrobenzene	50 ug/l	86.4/84.5	62.1-102	2.22	16.9	B5111	
2-Nitrophenol	50 ug/l	87.5/85.4	66.1-114	2.41	85.9	B5111	

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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)							
4-Nitrophenol	50 ug/l	86.5/90.6	45.3-100	4.70	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.0/86.1	62-115	3.33	45	B5111	
Pentachlorophenol	50 ug/l	99.7/104	44.3-113	3.97	30	B5111	
Phenanthrene	50 ug/l	90.8/89.4	62.9-109	1.58	17	B5111	
Phenol	50 ug/l	60.7/61.8	30.6-72.4	1.83	28	B5111	
Pyrene	50 ug/l	91.2/85.5	58.1-114	6.41	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.1/75.7	51.5-101	4.31	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.2/87.6	65.6-111	2.90	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	87.8/84.1	60.7-104	-	-	B5111	
2-Fluorophenol	50 ug/l	73.6/72.5	43.3-86	-	-	B5111	
Nitrobenzene-D5	50 ug/l	86.3/83.7	62.7-106	-	-	B5111	
Phenol-D5	50 ug/l	60.4/61.5	29.7-69.5	-	-	B5111	
Terphenyl-D14	50 ug/l	87.8/81.7	63.5-119	-	-	B5111	
2,4,6-Tribromophenol	50 ug/l	88.8/86.5	62-117	-	-	B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	98.3	52.5-139	-	22.9	V6664	
Benzene	20 ug/l	95.0	71-124	-	15.9	V6664	
Bromoform	20 ug/l	108	58.6-128	-	26.7	V6664	
Carbon tetrachloride	20 ug/l	88.0	64.1-133	-	20.8	V6664	
Chlorobenzene	20 ug/l	95.5	75.5-122	-	16.7	V6664	
Chlorodibromomethane	20 ug/l	104	68.5-123	-	18.4	V6664	
Chloroethane	20 ug/l	102	68.4-133	-	24.9	V6664	
Chloroform	20 ug/l	99.0	71.1-125	-	48.7	V6664	
Dichlorobromomethane	20 ug/l	94.5	70.1-123	-	19.2	V6664	
1,1-Dichloroethane	20 ug/l	94.0	71.3-126	-	20.5	V6664	
1,2-Dichloroethane	20 ug/l	87.0	74.6-127	-	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	104	74.8-128	-	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	102	73.2-127	-	20	V6664	
1,2-Dichloropropane	20 ug/l	95.0	72.8-121	-	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	113	61.1-117	-	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	100	56.7-128	-	20.7	V6664	
Ethylbenzene	20 ug/l	94.0	77.6-122	-	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	106	62.7-136	-	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	104	48.9-142	-	28	V6664	
Methylene chloride	20 ug/l	98.0	71.7-128	-	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	102	69.6-128	-	27.5	V6664	
Tetrachloroethylene	20 ug/l	98.0	66.2-136	-	16.6	V6664	
Toluene	20 ug/l	94.0	73.8-124	-	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	96.0	67.2-127	-	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	96.0	77.3-121	-	20.5	V6664	
Trichloroethylene	20 ug/l	92.5	78-122	-	16.1	V6664	
Vinyl chloride	20 ug/l	97.5	59.4-136	-	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	100	89.8-109	-	-	V6664	
Dibromofluoromethane	50 ug/l	104	88.4-111	-	-	V6664	
Toluene-D8	50 ug/l	100	90.3-109	-	-	V6664	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Organochlorine Pesticides and PCBs							
Aldrin	0.1 ug/l	72.9/71.1	41.6-121	2.48	19.8	G6932	
alpha-BHC	0.1 ug/l	88.4/86.1	67.6-127	2.63	23.6	G6932	
alpha-Endosulfan	0.1 ug/l	87.3/86.3	63.7-132	1.23	19	G6932	
beta-BHC	0.1 ug/l	89.6/86.3	73.6-121	3.74	32.5	G6932	
beta-Endosulfan	0.1 ug/l	90.3/87.7	68.1-125	2.91	53	G6932	
4,4'-DDD	0.1 ug/l	89.4/89.4	67.8-122	0.0336	27.5	G6932	
4,4'-DDE	0.1 ug/l	86.1/83.3	62.9-126	3.32	28.9	G6932	
4,4'-DDT	0.1 ug/l	88.9/86.6	68.6-124	2.61	34.6	G6932	
delta-BHC	0.1 ug/l	90.9/88.3	63.9-141	2.90	24.8	G6932	
Dieldrin	0.1 ug/l	94.6/92.2	70.4-124	2.61	18	G6932	
Endosulfan sulfate	0.1 ug/l	89.0/87.3	67.2-126	1.91	27	G6932	
Endrin	0.1 ug/l	82.8/80.8	64.6-122	2.40	26.6	G6932	
Endrin aldehyde	0.1 ug/l	70.9/71.1	27.9-117	0.282	53.7	G6932	
gamma-BHC (Lindane)	0.1 ug/l	88.2/86.3	68.9-126	2.12	22.1	G6932	
Heptachlor	0.1 ug/l	82.0/79.8	60.3-120	2.64	26	G6932	
Heptachlor epoxide	0.1 ug/l	89.7/88.4	67.6-125	1.52	27	G6932	
Surrogate Recovery							
Decachlorobiphenyl	0.1 ug/l	87.1/87.1	54.7-130	-		G6932	
Tetrachloro-m-xylene	0.1 ug/l	78.0/77.9	50-109	-		G6932	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	50 ug/l	91.9	50-108	-	15.8	B5111	
Acenaphthylene	50 ug/l	92.4	50.3-108	-	98.1	B5111	
Anthracene	50 ug/l	90.7	53.8-111	-	50	B5111	
Benzo(a)anthracene	50 ug/l	98.2	54.9-115	-	50	B5111	
Benzo(a)pyrene	50 ug/l	95.4	53.4-112	-	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	105	50.9-121	-	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	79.5	53-117	-	30	B5111	
3,4-Benzofluoranthene	50 ug/l	98.4	56.4-120	-	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	87.4	55.1-108	-	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	83.9	50.8-105	-	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	84.2	51.6-108	-	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	85.2	56.1-120	-	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	73.5	52.7-122	-	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	85.4	58.1-119	-	17	B5111	
2-Chloronaphthalene	50 ug/l	87.4	55-103	-	19.7	B5111	
2-Chlorophenol	50 ug/l	85.1	51.6-105	-	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.9	59.1-105	-	14.6	B5111	
Chrysene	50 ug/l	86.5	58.9-108	-	30	B5111	
Di-n-butyl phthalate	50 ug/l	87.3	60.6-117	-	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	87.0	52-136	-	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	106	53.5-118	-	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	81.8	41.7-100	-	37	B5111	
1,3-Dichlorobenzene	50 ug/l	75.9	40.7-95	-	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	75.6	42.3-96	-	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	87.2	55.4-109	-	17.2	B5111	
Diethyl phthalate	50 ug/l	85.5	58.3-110	-	32	B5111	
Dimethyl phthalate	50 ug/l	87.5	56.2-108	-	28	B5111	
2,4-Dimethylphenol	50 ug/l	72.0	8.2-112	-	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	114	52.5-118	-	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	107	41.9-120	-	61	B5111	
2,4-Dinitrotoluene	50 ug/l	100	54.2-109	-	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	94.7	57-108	-	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	86.0	53.7-113	-	20.3	B5111	
Fluoranthene	50 ug/l	103	52.7-118	-	80	B5111	
Fluorene	50 ug/l	93.1	56.1-109	-	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9	57-111	-	18.5	B5111	
Hexachlorobutadiene	50 ug/l	76.6	40.9-100	-	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	77.8	34.4-115	-	31.5	B5111	
Hexachloroethane	50 ug/l	69.8	41.1-100	-	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	105	52.5-121	-	40.5	B5111	
Isophorone	50 ug/l	91.0	51.1-107	-	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	90.7	60.6-116	-	68	B5111	
n-Nitrosodimethylamine	50 ug/l	53.9	33.3-89	-	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	81.5	31.7-122	-	20	B5111	
Naphthalene	50 ug/l	87.2	49.8-104	-	30	B5111	
Nitrobenzene	50 ug/l	96.9	49-114	-	16.9	B5111	
2-Nitrophenol	50 ug/l	91.1	57.6-115	-	85.9	B5111	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
4-Nitrophenol	50 ug/l	95.5	45.3-100	-	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.1	59.1-108	-	45	B5111	
Pentachlorophenol	50 ug/l	110	43.9-115	-	30	B5111	
Phenanthrene	50 ug/l	92.4	58-107	-	17	B5111	
Phenol	50 ug/l	65.4	25.3-69	-	28	B5111	
Pyrene	50 ug/l	83.8	48.8-115	-	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.4	46.7-99	-	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.5	55-112	-	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	88.2	52.4-108	-		B5111	
2-Fluorophenol	50 ug/l	76.3	31.4-81	-		B5111	
Nitrobenzene-D5	50 ug/l	88.1	54-107	-		B5111	
Phenol-D5	50 ug/l	64.0	29.6-69	-		B5111	
Terphenyl-D14	50 ug/l	81.0	33.1-145	-		B5111	
2,4,6-Tribromophenol	50 ug/l	89.3	45.6-113	-		B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	84.1/95.2	53.9-132	12.3	22.9	V6664	
Benzene	20 ug/l	88.0/96.0	73.2-127	8.70	15.9	V6664	
Bromoform	20 ug/l	100/110	61.2-128	9.48	26.7	V6664	
Carbon tetrachloride	20 ug/l	95.5/102	70.1-128	6.58	20.8	V6664	
Chlorobenzene	20 ug/l	97.0/106	81.5-120	8.87	16.7	V6664	
Chlorodibromomethane	20 ug/l	94.5/102	68.4-126	8.12	18.4	V6664	
Chloroethane	20 ug/l	88.5/95.5	68.1-143	7.61	24.9	V6664	
Chloroform	20 ug/l	93.0/102	72.1-129	9.23	48.7	V6664	
Dichlorobromomethane	20 ug/l	89.0/96.0	74-122	7.57	19.2	V6664	
1,1-Dichloroethane	20 ug/l	86.5/95.5	71.4-135	9.89	20.5	V6664	
1,2-Dichloroethane	20 ug/l	81.0/90.5	76.7-129	11.1	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	95.5/103	75.1-128	7.56	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	93.0/102	78.1-126	8.74	20	V6664	
1,2-Dichloropropane	20 ug/l	83.0/89.5	73.9-121	7.54	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	95.6/99.0	57.9-110	3.51	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	82.0/89.5	58.8-123	8.75	20.7	V6664	
Ethylbenzene	20 ug/l	89.5/97.5	77.7-122	8.56	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	96.0/101	46.3-137	5.08	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	87.5/95.5	52.9-149	8.74	28	V6664	
Methylene chloride	20 ug/l	94.5/103	74.8-127	8.61	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	91.0/104	71.5-128	12.9	27.5	V6664	
Tetrachloroethylene	20 ug/l	90.5/100	73.5-125	10.5	16.6	V6664	
Toluene	20 ug/l	90.5/98.5	76.6-126	8.47	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	87.5/96.5	71.3-124	9.78	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	91.0/101	77.3-121	10.4	20.5	V6664	
Trichloroethylene	20 ug/l	90.0/99.5	79.3-122	10.0	16.1	V6664	
Vinyl chloride	20 ug/l	86.5/94.5	56.7-147	8.84	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	101/101	89.8-109	-		V6664	



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MATRIX SPIKE SAMPLE RESULTS

<u>Analyte</u>	<u>Spike Amount</u>	<u>% Recovery</u>	<u>% Recovery Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Batch</u>	<u>Qualifier</u>
Volatile Organic Compounds (Continued)							
Surrogate Recovery							
Dibromofluoromethane	50 ug/l	101/101	88.2-108	-		V6664	
Toluene-D8	50 ug/l	94.6/94.4	90.9-107	-		V6664	

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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
Acenaphthene		< 1.9	ug/l	1.9	5	B5111-1	
Acenaphthylene		< 3.5	ug/l	3.5	5	B5111-1	
Anthracene		< 1.9	ug/l	1.9	5	B5111-1	
Benzidine		< 44	ug/l	44	50	B5111-1	
Benzo(a)anthracene		< 5	ug/l	5	5	B5111-1	
Benzo(a)pyrene		< 2.5	ug/l	2.5	5	B5111-1	
Benzo(g,h,i)perylene		< 4.1	ug/l	4.1	5	B5111-1	
Benzo(k)fluoranthene		< 2.5	ug/l	2.5	5	B5111-1	
3,4-Benzofluoranthene		< 4.8	ug/l	4.8	5	B5111-1	
Bis(2-chloroethoxy)methane		< 5.3	ug/l	5.3	5	B5111-1	
Bis(2-chloroethyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-chloroisopropyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-ethylhexyl)phthalate		< 2.5	ug/l	2.5	5	B5111-1	
4-Bromophenyl phenyl ether		< 1.9	ug/l	1.9	5	B5111-1	
Butylbenzyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
2-Chloronaphthalene		< 1.9	ug/l	1.9	5	B5111-1	
2-Chlorophenol		< 3.3	ug/l	3.3	5	B5111-1	
4-Chlorophenyl phenyl ether		< 4.2	ug/l	4.2	5	B5111-1	
Chrysene		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-butyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-octyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Dibenzo(a,h)anthracene		< 2.5	ug/l	2.5	5	B5111-1	
1,2-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,3-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,4-Dichlorobenzene		< 4.4	ug/l	4.4	5	B5111-1	
3,3'-Dichlorobenzidine		< 5	ug/l	5	20	B5111-1	
2,4-Dichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Diethyl phthalate		< 1.9	ug/l	1.9	5	B5111-1	
Dimethyl phthalate		< 1.6	ug/l	1.6	5	B5111-1	
2,4-Dimethylphenol		< 2.7	ug/l	2.7	5	B5111-1	
4,6-Dinitro-o-cresol		< 24	ug/l	24	5	B5111-1	
2,4-Dinitrophenol		< 42	ug/l	42	5	B5111-1	
2,4-Dinitrotoluene		< 5.7	ug/l	5.7	5	B5111-1	
2,6-Dinitrotoluene		< 1.9	ug/l	1.9	5	B5111-1	
1,2-Diphenylhydrazine		< 11	ug/l	11	5	B5111-1	
Fluoranthene		< 2.2	ug/l	2.2	5	B5111-1	
Fluorene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobutadiene		< 0.9	ug/l	0.9	5	B5111-1	
Hexachlorocyclopentadiene		< 0.78	ug/l	0.78	5	B5111-1	
Hexachloroethane		< 1.6	ug/l	1.6	5	B5111-1	
Indeno(1,2,3-cd)pyrene		< 3.7	ug/l	3.7	5	B5111-1	
Isophorone		< 2.2	ug/l	2.2	5	B5111-1	
n-Nitrosodi-n-propylamine		< 0.84	ug/l	0.84	5	B5111-1	
n-Nitrosodimethylamine		< 0.96	ug/l	0.96	5	B5111-1	
n-Nitrosodiphenylamine		< 1.9	ug/l	1.9	5	B5111-1	R
Naphthalene		< 1.6	ug/l	1.6	5	B5111-1	
Nitrobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2-Nitrophenol		< 3.6	ug/l	3.6	5	B5111-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
4-Nitrophenol		< 2.4	ug/l	2.4	5	B5111-1	
p-Chloro-m-cresol		< 3	ug/l	3	5	B5111-1	
Pentachlorophenol		< 1	ug/l	1	1	B5111-1	
Phenanthrene		< 5.4	ug/l	5.4	5	B5111-1	
Phenol		< 1.5	ug/l	1.5	5	B5111-1	
Pyrene		< 1.9	ug/l	1.9	5	B5111-1	
1,2,4-Trichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2,4,6-Trichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Surrogate Recovery							
2-Fluorobiphenyl		80.6	%	-	-	B5111-1	
2-Fluorophenol		68.3	%	-	-	B5111-1	
Nitrobenzene-D5		82.5	%	-	-	B5111-1	
Phenol-D5		59.7	%	-	-	B5111-1	
Terphenyl-D14		89.7	%	-	-	B5111-1	
2,4,6-Tribromophenol		77.3	%	-	-	B5111-1	
Volatile Organic Compounds By EPA 624							
Acrolein		< 50	ug/l	50	50	V6664-1	
Acrylonitrile		< 20	ug/l	20	25	V6664-1	
Benzene		< 4.4	ug/l	4.4	5	V6664-1	
Bromoform		< 4.7	ug/l	4.7	5	V6664-1	
Carbon tetrachloride		< 2.8	ug/l	2.8	5	V6664-1	
Chlorobenzene		< 6	ug/l	6	6	V6664-1	
Chlorodibromomethane		< 3.1	ug/l	3.1	5	V6664-1	
Chloroethane		< 8.7	ug/l	8.7	8.7	V6664-1	
2-Chloroethylvinyl ether		< 5.1	ug/l	5.1	5.1	V6664-1	
Chloroform		< 1.6	ug/l	1.6	5	V6664-1	
Dichlorobromomethane		< 2.2	ug/l	2.2	5	V6664-1	
1,1-Dichloroethane		< 4.7	ug/l	4.7	5	V6664-1	
1,2-Dichloroethane		< 2.8	ug/l	2.8	5	V6664-1	
1,1-Dichloroethylene		< 2.8	ug/l	2.8	5	V6664-1	
trans-1,2-Dichloroethylene		< 1.6	ug/l	1.6	5	V6664-1	
1,2-Dichloropropane		< 6	ug/l	6	6	V6664-1	
cis-1,3-Dichloropropylene		< 5	ug/l	5	5	V6664-1	
trans-1,3-Dichloropropylene		< 1.3	ug/l	1.3	5	V6664-1	
Ethylbenzene		< 7.2	ug/l	7.2	7.2	V6664-1	
Methyl bromide(Bromomethane)		< 8.9	ug/l	8.9	8.9	V6664-1	
Methyl chloride(Chloromethane)		< 7.8	ug/l	7.8	7.8	V6664-1	
Methylene chloride		< 10	ug/l	10	10	V6664-1	
1,1,2,2-Tetrachloroethane		< 6.9	ug/l	6.9	6.9	V6664-1	
Tetrachloroethylene		< 4.1	ug/l	4.1	5	V6664-1	
Toluene		< 6	ug/l	6	6	V6664-1	
1,1,1-Trichloroethane		< 3.8	ug/l	3.8	5	V6664-1	
1,1,2-Trichloroethane		< 5	ug/l	5	5	V6664-1	
Trichloroethylene		< 1.9	ug/l	1.9	5	V6664-1	
Vinyl chloride		< 6.4	ug/l	6.4	6.4	V6664-1	
Surrogate Recovery							
Bromofluorobenzene		101	%	-	-	V6664-1	
Dibromofluoromethane		106	%	-	-	V6664-1	
Toluene-D8		98.4	%	-	-	V6664-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Organochlorine Pesticides and PCBs By EPA 608							
Aldrin		< 0.004	ug/l	0.004	0.02	G6932-1	
alpha-BHC		< 0.003	ug/l	0.003	0.02	G6932-1	
alpha-Endosulfan		< 0.014	ug/l	0.014	0.02	G6932-1	
beta-BHC		< 0.006	ug/l	0.006	0.02	G6932-1	
beta-Endosulfan		< 0.004	ug/l	0.004	0.02	G6932-1	
Chlordane		< 0.014	ug/l	0.014	0.02	G6932-1	
4,4'-DDD		< 0.011	ug/l	0.011	0.02	G6932-1	
4,4'-DDE		< 0.004	ug/l	0.004	0.02	G6932-1	
4,4'-DDT		< 0.012	ug/l	0.012	0.02	G6932-1	
delta-BHC		< 0.009	ug/l	0.009	0.02	G6932-1	
Dieldrin		< 0.002	ug/l	0.002	0.02	G6932-1	
Endosulfan sulfate		< 0.066	ug/l	0.066	0.066	G6932-1	
Endrin		< 0.006	ug/l	0.006	0.02	G6932-1	
Endrin aldehyde		< 0.023	ug/l	0.023	0.023	G6932-1	
gamma-BHC (Lindane)		< 0.004	ug/l	0.004	0.02	G6932-1	
Heptachlor		< 0.003	ug/l	0.003	0.02	G6932-1	
Heptachlor epoxide		< 0.083	ug/l	0.083	0.083	G6932-1	
PCB 1016		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1221		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1232		< 0.05	ug/l	0.05	0.05	G6932-1	
PCB 1242		< 0.06	ug/l	0.06	0.06	G6932-1	
PCB 1248		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1254		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1260		< 0.06	ug/l	0.06	0.06	G6932-1	
Toxaphene		< 0.24	ug/l	0.24	0.24	G6932-1	
Surrogate Recovery							
Decachlorobiphenyl		69.1	%	-	-	G6932-1	
Tetrachloro-m-xylene		89.5	%	-	-	G6932-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1339 194		B5111-2	
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1421 194		B5111-3	
Volatile Organic Compounds		28MAY08 1127 167		V6664-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1914 117		G6932-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1928 117		G6932-3	

MATRIX SPIKE SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1503 194		B5111-4	
Volatile Organic Compounds		28MAY08 1509 167		V6664-4	
Volatile Organic Compounds		28MAY08 1554 167		V6664-5	

LABORATORY BLANKS

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1257 194		B5111-1	R
Volatile Organic Compounds		28MAY08 1208 167		V6664-1	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1900 117		G6932-1	

119723

2008 SAMPLE CUSTODY REPORT

PINE BLUFF WASTEWATER UTILITY
1520 SOUTH OHIO STREET
PINE BLUFF, AR 71601-6055

PBWWU LAB. TEL. (870) 535 0821

PBWWU LAB. FAX. NUMBER: (870) 535 0822

P.O. NUMBER:

12274

MONTH:

MAY

SAMPLE ID	BP-EFF-0508-VOA	BP-EFF-SEMI-VOA	BP-EFF-SEMI-VOA-2
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	BOYD POINT EFFLUENT	BOYD POINT EFFLUENT	BOYD POINT EFFLUENT
SAMPLE TYPE	GRAB	24 HRS TIME COMP.	24 HRS TIME COMP.
COLLECTION DAY	5/21/2008	5/21/2008	5/21/2008
COLLECTION TIME	0900 HRS	0900 HRS	0900 HRS
PARAMETER	VOA-METHOD 624	METHOD 625	METHOD 608
SAMPLE COLLECTOR	NMJ	NMJ	NMJ
PRESERVATION	1:1 HCL	NONE	NONE

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
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SAMPLE TRANSPORT BY: <i>Leandra Hampton</i>
SAMPLE TRANSPORT DATE & TIME: 5-23-08 ; 1330 (hrs)

I *Eugene Hopton*, HAVE RECEIVED WASTEWATER SAMPLE(S) FROM
 PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND
 THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND
 THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE

ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR



Pine Bluff Wastewater Utility
ATTN: Mr. Vincent Miles
1520 South Ohio Street
Pine Bluff, AR 71601-6055

Dear Mr. Vincent Miles:

Project Description: Three (3) water sample(s) received on May 23, 2008
MAY
Kansas Pump Station
P.O. No. 12275

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on May 23, 2008. The following results are applicable only to the samples 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 appropriate 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 _____

A handwritten signature in black ink, appearing to read 'John Overbey', is written over a horizontal line. Below the signature, the name 'John Overbey' and title 'Laboratory Director' are printed in a standard font.

John Overbey
Laboratory Director

Enclosure(s): Chain of Custody

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

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

COMMENTS

Elevated reporting limits for chlorinated pesticides and semi-volatiles are due to matrix interference.

QUALIFIERS

Qualifiers	Definition
D	Result is from a secondary dilution factor
R	n-Nitrosodiphenylamine cannot be separated from diphenylamine

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).

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119724-1

Sample Identification: INF-A-0508-VOA 5/21/2008 1330 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Volatile Organic Compounds By EPA 624						
Acrolein		< 50	50	ug/l	V6664	
Acrylonitrile		< 50	50	ug/l	V6664	
Benzene		< 4.4	4.4	ug/l	V6664	
Bromoform		< 4.7	4.7	ug/l	V6664	
Carbon tetrachloride		< 2.8	2.8	ug/l	V6664	
Chlorobenzene		< 6	6	ug/l	V6664	
Chlorodibromomethane		< 3.1	3.1	ug/l	V6664	
Chloroethane		< 8.7	8.7	ug/l	V6664	
2-Chloroethylvinyl ether		< 5.1	5.1	ug/l	V6664	
Chloroform		1.7	1.6	ug/l	V6664	
Dichlorobromomethane		< 2.2	2.2	ug/l	V6664	
1,1-Dichloroethane		< 4.7	4.7	ug/l	V6664	
1,2-Dichloroethane		< 2.8	2.8	ug/l	V6664	
1,1-Dichloroethylene		< 2.8	2.8	ug/l	V6664	
trans-1,2-Dichloroethylene		< 1.6	1.6	ug/l	V6664	
1,2-Dichloropropane		< 6	6	ug/l	V6664	
cis-1,3-Dichloropropylene		< 5	5	ug/l	V6664	
trans-1,3-Dichloropropylene		< 1.3	1.3	ug/l	V6664	
Ethylbenzene		< 7.2	7.2	ug/l	V6664	
Methyl bromide(Bromomethane)		< 8.9	8.9	ug/l	V6664	
Methyl chloride(Chloromethane)		< 7.8	7.8	ug/l	V6664	
Methylene chloride		< 10	10	ug/l	V6664	
1,1,2,2-Tetrachloroethane		< 6.9	6.9	ug/l	V6664	
Tetrachloroethylene		< 4.1	4.1	ug/l	V6664	
Toluene		< 6	6	ug/l	V6664	
1,1,1-Trichloroethane		< 3.8	3.8	ug/l	V6664	
1,1,2-Trichloroethane		< 5	5	ug/l	V6664	
Trichloroethylene		< 1.9	1.9	ug/l	V6664	
Vinyl chloride		< 6.4	6.4	ug/l	V6664	
Surrogate Recovery						
Bromofluorobenzene		100	-	%	V6664	
Dibromofluoromethane		98.0	-	%	V6664	
Toluene-D8		93.6	-	%	V6664	

AIC No. 119724-2

Sample Identification: INF-A-SEMI-VOA 5/21/2008 1300 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Acenaphthene		< 19	19	ug/l	B5111	D
Acenaphthylene		< 35	35	ug/l	B5111	D
Anthracene		< 19	19	ug/l	B5111	D
Benzidine		< 440	440	ug/l	B5111	D
Benzo(a)anthracene		< 50	50	ug/l	B5111	D
Benzo(a)pyrene		< 25	25	ug/l	B5111	D
Benzo(g,h,i)perylene		< 41	41	ug/l	B5111	D
Benzo(k)fluoranthene		< 25	25	ug/l	B5111	D
3,4-Benzofluoranthene		< 48	48	ug/l	B5111	D

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119724-2 (Continued)

Sample Identification: INF-A-SEMI-VOA 5/21/2008 1300 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Bis(2-chloroethoxy)methane		< 53	53	ug/l	B5111	D
Bis(2-chloroethyl)ether		< 57	57	ug/l	B5111	D
Bis(2-chloroisopropyl)ether		< 57	57	ug/l	B5111	D
Bis(2-ethylhexyl)phthalate		110	25	ug/l	B5111	D
4-Bromophenyl phenyl ether		< 19	19	ug/l	B5111	D
Butylbenzyl phthalate		< 25	25	ug/l	B5111	D
2-Chloronaphthalene		< 19	19	ug/l	B5111	D
2-Chlorophenol		< 33	33	ug/l	B5111	D
4-Chlorophenyl phenyl ether		< 42	42	ug/l	B5111	D
Chrysene		< 25	25	ug/l	B5111	D
Di-n-butyl phthalate		< 25	25	ug/l	B5111	D
Di-n-octyl phthalate		< 25	25	ug/l	B5111	D
Dibenzo(a,h)anthracene		< 25	25	ug/l	B5111	D
1,2-Dichlorobenzene		< 19	19	ug/l	B5111	D
1,3-Dichlorobenzene		< 19	19	ug/l	B5111	D
1,4-Dichlorobenzene		< 44	44	ug/l	B5111	D
3,3'-Dichlorobenzidine		< 50	50	ug/l	B5111	D
2,4-Dichlorophenol		< 27	27	ug/l	B5111	D
Diethyl phthalate		< 19	19	ug/l	B5111	D
Dimethyl phthalate		< 16	16	ug/l	B5111	D
2,4-Dimethylphenol		< 27	27	ug/l	B5111	D
4,6-Dinitro-o-cresol		< 240	240	ug/l	B5111	D
2,4-Dinitrophenol		< 420	420	ug/l	B5111	D
2,4-Dinitrotoluene		< 57	57	ug/l	B5111	D
2,6-Dinitrotoluene		< 19	19	ug/l	B5111	D
1,2-Diphenylhydrazine		< 110	110	ug/l	B5111	D
Fluoranthene		< 22	22	ug/l	B5111	D
Fluorene		< 19	19	ug/l	B5111	D
Hexachlorobenzene		< 19	19	ug/l	B5111	D
Hexachlorobutadiene		< 9	9	ug/l	B5111	D
Hexachlorocyclopentadiene		< 50	50	ug/l	B5111	D
Hexachloroethane		< 16	16	ug/l	B5111	D
Indeno(1,2,3-cd)pyrene		< 37	37	ug/l	B5111	D
Isophorone		< 22	22	ug/l	B5111	D
n-Nitrosodi-n-propylamine		< 8.4	8.4	ug/l	B5111	D
n-Nitrosodimethylamine		< 9.6	9.6	ug/l	B5111	D
n-Nitrosodiphenylamine		< 19	19	ug/l	B5111	DR
Naphthalene		< 16	16	ug/l	B5111	D
Nitrobenzene		< 19	19	ug/l	B5111	D
2-Nitrophenol		< 36	36	ug/l	B5111	D
4-Nitrophenol		< 24	24	ug/l	B5111	D
p-Chloro-m-cresol		< 30	30	ug/l	B5111	D
Pentachlorophenol		< 36	36	ug/l	B5111	D
Phenanthrene		< 54	54	ug/l	B5111	D
Phenol		< 15	15	ug/l	B5111	D
Pyrene		< 19	19	ug/l	B5111	D
1,2,4-Trichlorobenzene		< 19	19	ug/l	B5111	D
2,4,6-Trichlorophenol		< 27	27	ug/l	B5111	D

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119724-2 (Continued)

Sample Identification: INF-A-SEMI-VOA 5/21/2008 1300 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Surrogate Recovery						
2-Fluorobiphenyl			-		B5111	D
2-Fluorophenol			-		B5111	D
Nitrobenzene-D5			-		B5111	D
Phenol-D5			-		B5111	D
Terphenyl-D14			-		B5111	D
2,4,6-Tribromophenol			-		B5111	D

AIC No. 119724-3

Sample Identification: INF-A-SEMI-VOA-2 5/21/2008 1330 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Organochlorine Pesticides and PCBs By EPA 608						
Aldrin		< 0.008	0.008	ug/l	G6932	
alpha-BHC		< 0.006	0.006	ug/l	G6932	
alpha-Endosulfan		< 0.028	0.028	ug/l	G6932	
beta-BHC		< 0.012	0.012	ug/l	G6932	
beta-Endosulfan		< 0.008	0.008	ug/l	G6932	
Chlordane		< 0.028	0.028	ug/l	G6932	
4,4'-DDD		< 0.022	0.022	ug/l	G6932	
4,4'-DDE		< 0.008	0.008	ug/l	G6932	
4,4'-DDT		< 0.024	0.024	ug/l	G6932	
delta-BHC		< 0.018	0.018	ug/l	G6932	
Dieldrin		< 0.004	0.004	ug/l	G6932	
Endosulfan sulfate		< 0.14	0.14	ug/l	G6932	
Endrin		< 0.012	0.012	ug/l	G6932	
Endrin aldehyde		< 0.046	0.046	ug/l	G6932	
gamma-BHC (Lindane)		< 0.008	0.008	ug/l	G6932	
Heptachlor		< 0.006	0.006	ug/l	G6932	
Heptachlor epoxide		< 0.17	0.17	ug/l	G6932	
PCB 1016		< 0.14	0.14	ug/l	G6932	
PCB 1221		< 0.4	0.4	ug/l	G6932	
PCB 1232		< 0.1	0.1	ug/l	G6932	
PCB 1242		< 0.12	0.12	ug/l	G6932	
PCB 1248		< 0.14	0.14	ug/l	G6932	
PCB 1254		< 0.4	0.4	ug/l	G6932	
PCB 1260		< 0.12	0.12	ug/l	G6932	
Toxaphene		< 0.48	0.48	ug/l	G6932	
Surrogate Recovery						
Decachlorobiphenyl		41.0	-	%	G6932	
Tetrachloro-m-xylene		56.1	-	%	G6932	

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SAMPLE PREPARATION REPORT

AIC No. 119724-1	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Volatile Organic Compounds		28MAY08 1337 167		V6664	

AIC No. 119724-2	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Base/Neutral and Acid Compounds	27MAY08 1414 271	02JUN08 1914 194	5	B5111	DR

AIC No. 119724-3	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1942 117		G6932	



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SAMPLE DUPLICATE RESULTS

AIC No. 119724-1

Analyte	Method	Sample Result	Duplicate Result	Units	RPD	RPD Limit	Batch	Qualifier
Volatile Organic Compounds By EPA 624								
Surrogate Recovery								
Bromofluorobenzene			99.8	%			V6664	
Dibromofluoromethane			98.4	%			V6664	
Toluene-D8			95.2	%			V6664	

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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	50 ug/l	90.2/85.8	60-109	4.98	15.8	B5111	
Acenaphthylene	50 ug/l	92.6/87.7	62.9-105	5.43	98.1	B5111	
Anthracene	50 ug/l	89.1/86.6	63.6-109	2.85	50	B5111	
Benzo(a)anthracene	50 ug/l	94.2/92.3	33-143	2.12	50	B5111	
Benzo(a)pyrene	50 ug/l	96.4/92.6	17-163	4.06	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	96.7/97.6	58.5-107	0.906	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	96.2/82.1	11-162	15.9	30	B5111	
3,4-Benzofluoranthene	50 ug/l	97.4/93.5	24-159	4.09	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	85.3/82.8	59.8-106	2.95	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	80.0/78.8	61.9-106	1.59	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	81.0/78.5	59.6-108	3.16	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	88.9/83.9	61.9-126	5.83	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	74.2/71.9	68.7-114	3.15	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	93.2/87.1	59-125	6.79	17	B5111	
2-Chloronaphthalene	50 ug/l	86.2/82.1	67.4-94.4	4.94	19.7	B5111	
2-Chlorophenol	50 ug/l	81.8/79.6	60.9-105	2.72	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.2/80.8	67.8-108	4.05	14.6	B5111	
Chrysene	50 ug/l	88.4/83.2	40.3-122	6.04	30	B5111	
Di-n-butyl phthalate	50 ug/l	85.4/81.6	66.3-125	4.46	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	97.7/90.5	51-145	7.67	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	97.3/99.5	62.4-127	2.21	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	77.7/76.1	46.5-100	2.05	37	B5111	
1,3-Dichlorobenzene	50 ug/l	74.4/71.8	41.7-101	3.56	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	73.8/71.1	47.1-97.9	3.75	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	84.7/82.5	65.7-109	2.54	17.2	B5111	
Diethyl phthalate	50 ug/l	85.1/80.9	64.3-115	5.04	32	B5111	
Dimethyl phthalate	50 ug/l	86.9/72.3	68.9-108	18.4	28	B5111	
2,4-Dimethylphenol	50 ug/l	79.5/74.1	29-109	7.03	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	107/107	50.3-118	0.412	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	75.0/92.4	24.3-113	20.8	61	B5111	
2,4-Dinitrotoluene	50 ug/l	96.3/92.2	63.7-117	4.39	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	95.1/90.7	64.6-117	4.73	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	89.0/85.1	63.1-109	4.57	20.3	B5111	
Fluoranthene	50 ug/l	93.6/90.6	60.8-118	3.26	80	B5111	
Fluorene	50 ug/l	90.2/86.6	63.2-101	4.07	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9/86.5	66.6-107	1.51	18.5	B5111	
Hexachlorobutadiene	50 ug/l	78.2/73.7	41.2-99.5	5.93	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	79.9/73.7	36-109	8.08	31.5	B5111	
Hexachloroethane	50 ug/l	69.4/67.3	42.3-101	3.10	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	94.8/96.2	36.1-138	1.49	40.5	B5111	
Isophorone	50 ug/l	88.1/85.5	61.9-108	2.95	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	88.2/85.3	61.4-116	3.34	68	B5111	
n-Nitrosodimethylamine	50 ug/l	49.5/50.9	44.1-87.8	2.87	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	85.1/83.2	62.9-109	2.23	20	B5111	
Naphthalene	50 ug/l	84.2/81.8	67-92.6	2.87	30	B5111	
Nitrobenzene	50 ug/l	86.4/84.5	62.1-102	2.22	16.9	B5111	
2-Nitrophenol	50 ug/l	87.5/85.4	66.1-114	2.41	85.9	B5111	

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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)							
4-Nitrophenol	50 ug/l	86.5/90.6	45.3-100	4.70	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.0/86.1	62-115	3.33	45	B5111	
Pentachlorophenol	50 ug/l	99.7/104	44.3-113	3.97	30	B5111	
Phenanthrene	50 ug/l	90.8/89.4	62.9-109	1.58	17	B5111	
Phenol	50 ug/l	60.7/61.8	30.6-72.4	1.83	28	B5111	
Pyrene	50 ug/l	91.2/85.5	58.1-114	6.41	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.1/75.7	51.5-101	4.31	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.2/87.6	65.6-111	2.90	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	87.8/84.1	60.7-104	-	-	B5111	
2-Fluorophenol	50 ug/l	73.6/72.5	43.3-86	-	-	B5111	
Nitrobenzene-D5	50 ug/l	86.3/83.7	62.7-106	-	-	B5111	
Phenol-D5	50 ug/l	60.4/61.5	29.7-69.5	-	-	B5111	
Terphenyl-D14	50 ug/l	87.8/81.7	63.5-119	-	-	B5111	
2,4,6-Tribromophenol	50 ug/l	88.8/86.5	62-117	-	-	B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	98.3	52.5-139	-	22.9	V6664	
Benzene	20 ug/l	95.0	71-124	-	15.9	V6664	
Bromoform	20 ug/l	108	58.6-128	-	26.7	V6664	
Carbon tetrachloride	20 ug/l	88.0	64.1-133	-	20.8	V6664	
Chlorobenzene	20 ug/l	95.5	75.5-122	-	16.7	V6664	
Chlorodibromomethane	20 ug/l	104	68.5-123	-	18.4	V6664	
Chloroethane	20 ug/l	102	68.4-133	-	24.9	V6664	
Chloroform	20 ug/l	99.0	71.1-125	-	48.7	V6664	
Dichlorobromomethane	20 ug/l	94.5	70.1-123	-	19.2	V6664	
1,1-Dichloroethane	20 ug/l	94.0	71.3-126	-	20.5	V6664	
1,2-Dichloroethane	20 ug/l	87.0	74.6-127	-	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	104	74.8-128	-	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	102	73.2-127	-	20	V6664	
1,2-Dichloropropane	20 ug/l	95.0	72.8-121	-	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	113	61.1-117	-	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	100	56.7-128	-	20.7	V6664	
Ethylbenzene	20 ug/l	94.0	77.6-122	-	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	106	62.7-136	-	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	104	48.9-142	-	28	V6664	
Methylene chloride	20 ug/l	98.0	71.7-128	-	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	102	69.6-128	-	27.5	V6664	
Tetrachloroethylene	20 ug/l	98.0	66.2-136	-	16.6	V6664	
Toluene	20 ug/l	94.0	73.8-124	-	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	96.0	67.2-127	-	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	96.0	77.3-121	-	20.5	V6664	
Trichloroethylene	20 ug/l	92.5	78-122	-	16.1	V6664	
Vinyl chloride	20 ug/l	97.5	59.4-136	-	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	100	89.8-109	-	-	V6664	
Dibromofluoromethane	50 ug/l	104	88.4-111	-	-	V6664	
Toluene-D8	50 ug/l	100	90.3-109	-	-	V6664	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Organochlorine Pesticides and PCBs							
Aldrin	0.1 ug/l	72.9/71.1	41.6-121	2.48	19.8	G6932	
alpha-BHC	0.1 ug/l	88.4/86.1	67.6-127	2.63	23.6	G6932	
alpha-Endosulfan	0.1 ug/l	87.3/86.3	63.7-132	1.23	19	G6932	
beta-BHC	0.1 ug/l	89.6/86.3	73.6-121	3.74	32.5	G6932	
beta-Endosulfan	0.1 ug/l	90.3/87.7	68.1-125	2.91	53	G6932	
4,4'-DDD	0.1 ug/l	89.4/89.4	67.8-122	0.0336	27.5	G6932	
4,4'-DDE	0.1 ug/l	86.1/83.3	62.9-126	3.32	28.9	G6932	
4,4'-DDT	0.1 ug/l	88.9/86.6	68.6-124	2.61	34.6	G6932	
delta-BHC	0.1 ug/l	90.9/88.3	63.9-141	2.90	24.8	G6932	
Dieldrin	0.1 ug/l	94.6/92.2	70.4-124	2.61	18	G6932	
Endosulfan sulfate	0.1 ug/l	89.0/87.3	67.2-126	1.91	27	G6932	
Endrin	0.1 ug/l	82.8/80.8	64.6-122	2.40	26.6	G6932	
Endrin aldehyde	0.1 ug/l	70.9/71.1	27.9-117	0.282	53.7	G6932	
gamma-BHC (Lindane)	0.1 ug/l	88.2/86.3	68.9-126	2.12	22.1	G6932	
Heptachlor	0.1 ug/l	82.0/79.8	60.3-120	2.64	26	G6932	
Heptachlor epoxide	0.1 ug/l	89.7/88.4	67.6-125	1.52	27	G6932	
Surrogate Recovery							
Decachlorobiphenyl	0.1 ug/l	87.1/87.1	54.7-130	-		G6932	
Tetrachloro-m-xylene	0.1 ug/l	78.0/77.9	50-109	-		G6932	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	50 ug/l	91.9	50-108	-	15.8	B5111	
Acenaphthylene	50 ug/l	92.4	50.3-108	-	98.1	B5111	
Anthracene	50 ug/l	90.7	53.8-111	-	50	B5111	
Benzo(a)anthracene	50 ug/l	98.2	54.9-115	-	50	B5111	
Benzo(a)pyrene	50 ug/l	95.4	53.4-112	-	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	105	50.9-121	-	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	79.5	53-117	-	30	B5111	
3,4-Benzofluoranthene	50 ug/l	98.4	56.4-120	-	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	87.4	55.1-108	-	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	83.9	50.8-105	-	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	84.2	51.6-108	-	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	85.2	56.1-120	-	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	73.5	52.7-122	-	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	85.4	58.1-119	-	17	B5111	
2-Chloronaphthalene	50 ug/l	87.4	55-103	-	19.7	B5111	
2-Chlorophenol	50 ug/l	85.1	51.6-105	-	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.9	59.1-105	-	14.6	B5111	
Chrysene	50 ug/l	86.5	58.9-108	-	30	B5111	
Di-n-butyl phthalate	50 ug/l	87.3	60.6-117	-	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	87.0	52-136	-	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	106	53.5-118	-	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	81.8	41.7-100	-	37	B5111	
1,3-Dichlorobenzene	50 ug/l	75.9	40.7-95	-	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	75.6	42.3-96	-	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	87.2	55.4-109	-	17.2	B5111	
Diethyl phthalate	50 ug/l	85.5	58.3-110	-	32	B5111	
Dimethyl phthalate	50 ug/l	87.5	56.2-108	-	28	B5111	
2,4-Dimethylphenol	50 ug/l	72.0	8.2-112	-	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	114	52.5-118	-	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	107	41.9-120	-	61	B5111	
2,4-Dinitrotoluene	50 ug/l	100	54.2-109	-	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	94.7	57-108	-	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	86.0	53.7-113	-	20.3	B5111	
Fluoranthene	50 ug/l	103	52.7-118	-	80	B5111	
Fluorene	50 ug/l	93.1	56.1-109	-	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9	57-111	-	18.5	B5111	
Hexachlorobutadiene	50 ug/l	76.6	40.9-100	-	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	77.8	34.4-115	-	31.5	B5111	
Hexachloroethane	50 ug/l	69.8	41.1-100	-	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	105	52.5-121	-	40.5	B5111	
Isophorone	50 ug/l	91.0	51.1-107	-	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	90.7	60.6-116	-	68	B5111	
n-Nitrosodimethylamine	50 ug/l	53.9	33.3-89	-	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	81.5	31.7-122	-	20	B5111	
Naphthalene	50 ug/l	87.2	49.8-104	-	30	B5111	
Nitrobenzene	50 ug/l	96.9	49-114	-	16.9	B5111	
2-Nitrophenol	50 ug/l	91.1	57.6-115	-	85.9	B5111	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
4-Nitrophenol	50 ug/l	95.5	45.3-100	-	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.1	59.1-108	-	45	B5111	
Pentachlorophenol	50 ug/l	110	43.9-115	-	30	B5111	
Phenanthrene	50 ug/l	92.4	58-107	-	17	B5111	
Phenol	50 ug/l	65.4	25.3-69	-	28	B5111	
Pyrene	50 ug/l	83.8	48.8-115	-	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.4	46.7-99	-	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.5	55-112	-	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	88.2	52.4-108	-		B5111	
2-Fluorophenol	50 ug/l	76.3	31.4-81	-		B5111	
Nitrobenzene-D5	50 ug/l	88.1	54-107	-		B5111	
Phenol-D5	50 ug/l	64.0	29.6-69	-		B5111	
Terphenyl-D14	50 ug/l	81.0	33.1-145	-		B5111	
2,4,6-Tribromophenol	50 ug/l	89.3	45.6-113	-		B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	84.1/95.2	53.9-132	12.3	22.9	V6664	
Benzene	20 ug/l	88.0/96.0	73.2-127	8.70	15.9	V6664	
Bromoform	20 ug/l	100/110	61.2-128	9.48	26.7	V6664	
Carbon tetrachloride	20 ug/l	95.5/102	70.1-128	6.58	20.8	V6664	
Chlorobenzene	20 ug/l	97.0/106	81.5-120	8.87	16.7	V6664	
Chlorodibromomethane	20 ug/l	94.5/102	68.4-126	8.12	18.4	V6664	
Chloroethane	20 ug/l	88.5/95.5	68.1-143	7.61	24.9	V6664	
Chloroform	20 ug/l	93.0/102	72.1-129	9.23	48.7	V6664	
Dichlorobromomethane	20 ug/l	89.0/96.0	74-122	7.57	19.2	V6664	
1,1-Dichloroethane	20 ug/l	86.5/95.5	71.4-135	9.89	20.5	V6664	
1,2-Dichloroethane	20 ug/l	81.0/90.5	76.7-129	11.1	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	95.5/103	75.1-128	7.56	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	93.0/102	78.1-126	8.74	20	V6664	
1,2-Dichloropropane	20 ug/l	83.0/89.5	73.9-121	7.54	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	95.6/99.0	57.9-110	3.51	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	82.0/89.5	58.8-123	8.75	20.7	V6664	
Ethylbenzene	20 ug/l	89.5/97.5	77.7-122	8.56	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	96.0/101	46.3-137	5.08	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	87.5/95.5	52.9-149	8.74	28	V6664	
Methylene chloride	20 ug/l	94.5/103	74.8-127	8.61	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	91.0/104	71.5-128	12.9	27.5	V6664	
Tetrachloroethylene	20 ug/l	90.5/100	73.5-125	10.5	16.6	V6664	
Toluene	20 ug/l	90.5/98.5	76.6-126	8.47	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	87.5/96.5	71.3-124	9.78	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	91.0/101	77.3-121	10.4	20.5	V6664	
Trichloroethylene	20 ug/l	90.0/99.5	79.3-122	10.0	16.1	V6664	
Vinyl chloride	20 ug/l	86.5/94.5	56.7-147	8.84	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	101/101	89.8-109	-		V6664	



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Volatile Organic Compounds (Continued)							
Surrogate Recovery							
Dibromofluoromethane	50 ug/l	101/101	88.2-108	-		V6664	
Toluene-D8	50 ug/l	94.6/94.4	90.9-107	-		V6664	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
Acenaphthene		< 1.9	ug/l	1.9	5	B5111-1	
Acenaphthylene		< 3.5	ug/l	3.5	5	B5111-1	
Anthracene		< 1.9	ug/l	1.9	5	B5111-1	
Benzidine		< 44	ug/l	44	50	B5111-1	
Benzo(a)anthracene		< 5	ug/l	5	5	B5111-1	
Benzo(a)pyrene		< 2.5	ug/l	2.5	5	B5111-1	
Benzo(g,h,i)perylene		< 4.1	ug/l	4.1	5	B5111-1	
Benzo(k)fluoranthene		< 2.5	ug/l	2.5	5	B5111-1	
3,4-Benzofluoranthene		< 4.8	ug/l	4.8	5	B5111-1	
Bis(2-chloroethoxy)methane		< 5.3	ug/l	5.3	5	B5111-1	
Bis(2-chloroethyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-chloroisopropyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-ethylhexyl)phthalate		< 2.5	ug/l	2.5	5	B5111-1	
4-Bromophenyl phenyl ether		< 1.9	ug/l	1.9	5	B5111-1	
Butylbenzyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
2-Chloronaphthalene		< 1.9	ug/l	1.9	5	B5111-1	
2-Chlorophenol		< 3.3	ug/l	3.3	5	B5111-1	
4-Chlorophenyl phenyl ether		< 4.2	ug/l	4.2	5	B5111-1	
Chrysene		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-butyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-octyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Dibenzo(a,h)anthracene		< 2.5	ug/l	2.5	5	B5111-1	
1,2-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,3-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,4-Dichlorobenzene		< 4.4	ug/l	4.4	5	B5111-1	
3,3'-Dichlorobenzidine		< 5	ug/l	5	20	B5111-1	
2,4-Dichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Diethyl phthalate		< 1.9	ug/l	1.9	5	B5111-1	
Dimethyl phthalate		< 1.6	ug/l	1.6	5	B5111-1	
2,4-Dimethylphenol		< 2.7	ug/l	2.7	5	B5111-1	
4,6-Dinitro-o-cresol		< 24	ug/l	24	5	B5111-1	
2,4-Dinitrophenol		< 42	ug/l	42	5	B5111-1	
2,4-Dinitrotoluene		< 5.7	ug/l	5.7	5	B5111-1	
2,6-Dinitrotoluene		< 1.9	ug/l	1.9	5	B5111-1	
1,2-Diphenylhydrazine		< 11	ug/l	11	5	B5111-1	
Fluoranthene		< 2.2	ug/l	2.2	5	B5111-1	
Fluorene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobutadiene		< 0.9	ug/l	0.9	5	B5111-1	
Hexachlorocyclopentadiene		< 0.78	ug/l	0.78	5	B5111-1	
Hexachloroethane		< 1.6	ug/l	1.6	5	B5111-1	
Indeno(1,2,3-cd)pyrene		< 3.7	ug/l	3.7	5	B5111-1	
Isophorone		< 2.2	ug/l	2.2	5	B5111-1	
n-Nitrosodi-n-propylamine		< 0.84	ug/l	0.84	5	B5111-1	
n-Nitrosodimethylamine		< 0.96	ug/l	0.96	5	B5111-1	
n-Nitrosodiphenylamine		< 1.9	ug/l	1.9	5	B5111-1	R
Naphthalene		< 1.6	ug/l	1.6	5	B5111-1	
Nitrobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2-Nitrophenol		< 3.6	ug/l	3.6	5	B5111-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
4-Nitrophenol		< 2.4	ug/l	2.4	5	B5111-1	
p-Chloro-m-cresol		< 3	ug/l	3	5	B5111-1	
Pentachlorophenol		< 1	ug/l	1	1	B5111-1	
Phenanthrene		< 5.4	ug/l	5.4	5	B5111-1	
Phenol		< 1.5	ug/l	1.5	5	B5111-1	
Pyrene		< 1.9	ug/l	1.9	5	B5111-1	
1,2,4-Trichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2,4,6-Trichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Surrogate Recovery							
2-Fluorobiphenyl		80.6	%	-	-	B5111-1	
2-Fluorophenol		68.3	%	-	-	B5111-1	
Nitrobenzene-D5		82.5	%	-	-	B5111-1	
Phenol-D5		59.7	%	-	-	B5111-1	
Terphenyl-D14		89.7	%	-	-	B5111-1	
2,4,6-Tribromophenol		77.3	%	-	-	B5111-1	
Volatile Organic Compounds By EPA 624							
Acrolein		< 50	ug/l	50	50	V6664-1	
Acrylonitrile		< 20	ug/l	20	25	V6664-1	
Benzene		< 4.4	ug/l	4.4	5	V6664-1	
Bromoform		< 4.7	ug/l	4.7	5	V6664-1	
Carbon tetrachloride		< 2.8	ug/l	2.8	5	V6664-1	
Chlorobenzene		< 6	ug/l	6	6	V6664-1	
Chlorodibromomethane		< 3.1	ug/l	3.1	5	V6664-1	
Chloroethane		< 8.7	ug/l	8.7	8.7	V6664-1	
2-Chloroethylvinyl ether		< 5.1	ug/l	5.1	5.1	V6664-1	
Chloroform		< 1.6	ug/l	1.6	5	V6664-1	
Dichlorobromomethane		< 2.2	ug/l	2.2	5	V6664-1	
1,1-Dichloroethane		< 4.7	ug/l	4.7	5	V6664-1	
1,2-Dichloroethane		< 2.8	ug/l	2.8	5	V6664-1	
1,1-Dichloroethylene		< 2.8	ug/l	2.8	5	V6664-1	
trans-1,2-Dichloroethylene		< 1.6	ug/l	1.6	5	V6664-1	
1,2-Dichloropropane		< 6	ug/l	6	6	V6664-1	
cis-1,3-Dichloropropylene		< 5	ug/l	5	5	V6664-1	
trans-1,3-Dichloropropylene		< 1.3	ug/l	1.3	5	V6664-1	
Ethylbenzene		< 7.2	ug/l	7.2	7.2	V6664-1	
Methyl bromide(Bromomethane)		< 8.9	ug/l	8.9	8.9	V6664-1	
Methyl chloride(Chloromethane)		< 7.8	ug/l	7.8	7.8	V6664-1	
Methylene chloride		< 10	ug/l	10	10	V6664-1	
1,1,2,2-Tetrachloroethane		< 6.9	ug/l	6.9	6.9	V6664-1	
Tetrachloroethylene		< 4.1	ug/l	4.1	5	V6664-1	
Toluene		< 6	ug/l	6	6	V6664-1	
1,1,1-Trichloroethane		< 3.8	ug/l	3.8	5	V6664-1	
1,1,2-Trichloroethane		< 5	ug/l	5	5	V6664-1	
Trichloroethylene		< 1.9	ug/l	1.9	5	V6664-1	
Vinyl chloride		< 6.4	ug/l	6.4	6.4	V6664-1	
Surrogate Recovery							
Bromofluorobenzene		101	%	-	-	V6664-1	
Dibromofluoromethane		106	%	-	-	V6664-1	
Toluene-D8		98.4	%	-	-	V6664-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Organochlorine Pesticides and PCBs By EPA 608							
Aldrin		< 0.004	ug/l	0.004	0.02	G6932-1	
alpha-BHC		< 0.003	ug/l	0.003	0.02	G6932-1	
alpha-Endosulfan		< 0.014	ug/l	0.014	0.02	G6932-1	
beta-BHC		< 0.006	ug/l	0.006	0.02	G6932-1	
beta-Endosulfan		< 0.004	ug/l	0.004	0.02	G6932-1	
Chlordane		< 0.014	ug/l	0.014	0.02	G6932-1	
4,4'-DDD		< 0.011	ug/l	0.011	0.02	G6932-1	
4,4'-DDE		< 0.004	ug/l	0.004	0.02	G6932-1	
4,4'-DDT		< 0.012	ug/l	0.012	0.02	G6932-1	
delta-BHC		< 0.009	ug/l	0.009	0.02	G6932-1	
Dieldrin		< 0.002	ug/l	0.002	0.02	G6932-1	
Endosulfan sulfate		< 0.066	ug/l	0.066	0.066	G6932-1	
Endrin		< 0.006	ug/l	0.006	0.02	G6932-1	
Endrin aldehyde		< 0.023	ug/l	0.023	0.023	G6932-1	
gamma-BHC (Lindane)		< 0.004	ug/l	0.004	0.02	G6932-1	
Heptachlor		< 0.003	ug/l	0.003	0.02	G6932-1	
Heptachlor epoxide		< 0.083	ug/l	0.083	0.083	G6932-1	
PCB 1016		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1221		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1232		< 0.05	ug/l	0.05	0.05	G6932-1	
PCB 1242		< 0.06	ug/l	0.06	0.06	G6932-1	
PCB 1248		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1254		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1260		< 0.06	ug/l	0.06	0.06	G6932-1	
Toxaphene		< 0.24	ug/l	0.24	0.24	G6932-1	
Surrogate Recovery							
Decachlorobiphenyl		69.1	%	-	-	G6932-1	
Tetrachloro-m-xylene		89.5	%	-	-	G6932-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1339 194		B5111-2	
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1421 194		B5111-3	
Volatile Organic Compounds		28MAY08 1127 167		V6664-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1914 117		G6932-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1928 117		G6932-3	

MATRIX SPIKE SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1503 194		B5111-4	
Volatile Organic Compounds		28MAY08 1509 167		V6664-4	
Volatile Organic Compounds		28MAY08 1554 167		V6664-5	

LABORATORY BLANKS

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1257 194		B5111-1	R
Volatile Organic Compounds		28MAY08 1208 167		V6664-1	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1900 117		G6932-1	

2008 SAMPLE CUSTODY REPORT

PBWWU LAB. TEL. (870) 535 0821 PBWWU LAB. FAX. NUMBER: (870) 535 0822

P.O. NUMBER: 12275

MONTH: MAY

①

②

③

SAMPLE ID	INF-A-0508-VOA	INF-A-SEMI-VOA	INF-A-SEMI-VOA-2
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	KANSAS PUMP STATION	KANSAS PUMP STATION	KANSAS PUMP STATION
SAMPLE TYPE	GRAB	24 HRS TIME COMP	24 HRS TIME COMP
COLLECTION DAY	5/21/2007	5/21/2007	5/21/2007
COLLECTION TIME	1300 HRS Time: 1330	1300 HRS	1300 HRS Time: 1330
PARAMETER	VOA-METHOD 624	METHOD 625	METHOD 608
SAMPLE COLLECTOR	NMJ	NMJ	NMJ
PRESERVATION	1:1 HCL	NONE	NONE

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
SAMPLE TRANSPORT BY:	<i>Leandra Hanger</i>
SAMPLE TRANSPORT DATE & TIME:	5-23-08 ; 1330 (hrs)

I *Lupe Hopton* HAVE RECEIVED WASTEWATER SAMPLE(S) FROM PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE

ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR



Pine Bluff Wastewater Utility
ATTN: Mr. Vincent Miles
1520 South Ohio Street
Pine Bluff, AR 71601-6055

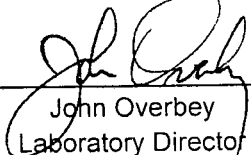
Dear Mr. Vincent Miles:

Project Description: Three (3) water sample(s) received on May 23, 2008
MAY
Industrial Park Pump Station
P.O. No. 12276

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on May 23, 2008. The following results are applicable only to the samples 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 appropriate 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



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

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

COMMENTS

Elevated reporting limits for chlorinated pesticides and semi-volatiles are due to matrix interference.

QUALIFIERS

<u>Qualifiers</u>	<u>Definition</u>
D	Result is from a secondary dilution factor
R	n-Nitrosodiphenylamine cannot be separated from diphenylamine

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).

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119725-1

Sample Identification: INF-C-0508-VOA 5/21/2008 0930 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Volatile Organic Compounds By EPA 624						
Acrolein		< 50	50	ug/l	V6664	
Acrylonitrile		< 50	50	ug/l	V6664	
Benzene		< 4.4	4.4	ug/l	V6664	
Bromoform		< 4.7	4.7	ug/l	V6664	
Carbon tetrachloride		< 2.8	2.8	ug/l	V6664	
Chlorobenzene		< 6	6	ug/l	V6664	
Chlorodibromomethane		< 3.1	3.1	ug/l	V6664	
Chloroethane		< 8.7	8.7	ug/l	V6664	
2-Chloroethylvinyl ether		< 5.1	5.1	ug/l	V6664	
Chloroform		13	1.6	ug/l	V6664	
Dichlorobromomethane		< 2.2	2.2	ug/l	V6664	
1,1-Dichloroethane		< 4.7	4.7	ug/l	V6664	
1,2-Dichloroethane		< 2.8	2.8	ug/l	V6664	
1,1-Dichloroethylene		< 2.8	2.8	ug/l	V6664	
trans-1,2-Dichloroethylene		< 1.6	1.6	ug/l	V6664	
1,2-Dichloropropane		< 6	6	ug/l	V6664	
cis-1,3-Dichloropropylene		< 5	5	ug/l	V6664	
trans-1,3-Dichloropropylene		< 1.3	1.3	ug/l	V6664	
Ethylbenzene		< 7.2	7.2	ug/l	V6664	
Methyl bromide(Bromomethane)		< 8.9	8.9	ug/l	V6664	
Methyl chloride(Chloromethane)		< 7.8	7.8	ug/l	V6664	
Methylene chloride		< 10	10	ug/l	V6664	
1,1,2,2-Tetrachloroethane		< 6.9	6.9	ug/l	V6664	
Tetrachloroethylene		8.8	4.1	ug/l	V6664	
Toluene		6.3	6	ug/l	V6664	
1,1,1-Trichloroethane		< 3.8	3.8	ug/l	V6664	
1,1,2-Trichloroethane		< 5	5	ug/l	V6664	
Trichloroethylene		< 1.9	1.9	ug/l	V6664	
Vinyl chloride		< 6.4	6.4	ug/l	V6664	
Surrogate Recovery						
Bromofluorobenzene		102	-	%	V6664	
Dibromofluoromethane		97.6	-	%	V6664	
Toluene-D8		104	-	%	V6664	

AIC No. 119725-2

Sample Identification: INF-C-SEMI-VOA 5/21/2008 0930 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Acenaphthene		< 160	160	ug/l	B5111	D
Acenaphthylene		< 280	280	ug/l	B5111	D
Anthracene		< 160	160	ug/l	B5111	D
Benzidine		< 3600	3600	ug/l	B5111	D
Benzo(a)anthracene		< 400	400	ug/l	B5111	D
Benzo(a)pyrene		< 200	200	ug/l	B5111	D
Benzo(g,h,i)perylene		< 330	330	ug/l	B5111	D
Benzo(k)fluoranthene		< 200	200	ug/l	B5111	D
3,4-Benzofluoranthene		< 390	390	ug/l	B5111	D

Pine Bluff Wastewater Utility
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ANALYTICAL RESULTS

AIC No. 119725-2 (Continued)

Sample Identification: INF-C-SEMI-VOA 5/21/2008 0930 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Bis(2-chloroethoxy)methane		< 430	430	ug/l	B5111	D
Bis(2-chloroethyl)ether		< 460	460	ug/l	B5111	D
Bis(2-chloroisopropyl)ether		< 460	460	ug/l	B5111	D
Bis(2-ethylhexyl)phthalate		4800	200	ug/l	B5111	D
4-Bromophenyl phenyl ether		< 160	160	ug/l	B5111	D
Butylbenzyl phthalate		< 200	200	ug/l	B5111	D
2-Chloronaphthalene		< 160	160	ug/l	B5111	D
2-Chlorophenol		< 270	270	ug/l	B5111	D
4-Chlorophenyl phenyl ether		< 340	340	ug/l	B5111	D
Chrysene		< 200	200	ug/l	B5111	D
Di-n-butyl phthalate		< 200	200	ug/l	B5111	D
Di-n-octyl phthalate		< 200	200	ug/l	B5111	D
Dibenzo(a,h)anthracene		< 200	200	ug/l	B5111	D
1,2-Dichlorobenzene		< 160	160	ug/l	B5111	D
1,3-Dichlorobenzene		< 160	160	ug/l	B5111	D
1,4-Dichlorobenzene		< 360	360	ug/l	B5111	D
3,3'-Dichlorobenzidine		< 400	400	ug/l	B5111	D
2,4-Dichlorophenol		< 220	220	ug/l	B5111	D
Diethyl phthalate		< 160	160	ug/l	B5111	D
Dimethyl phthalate		< 130	130	ug/l	B5111	D
2,4-Dimethylphenol		< 220	220	ug/l	B5111	D
4,6-Dinitro-o-cresol		< 2000	2000	ug/l	B5111	D
2,4-Dinitrophenol		< 3400	3400	ug/l	B5111	D
2,4-Dinitrotoluene		< 460	460	ug/l	B5111	D
2,6-Dinitrotoluene		< 160	160	ug/l	B5111	D
1,2-Diphenylhydrazine		< 880	880	ug/l	B5111	D
Fluoranthene		< 180	180	ug/l	B5111	D
Fluorene		< 160	160	ug/l	B5111	D
Hexachlorobenzene		< 160	160	ug/l	B5111	D
Hexachlorobutadiene		< 72	72	ug/l	B5111	D
Hexachlorocyclopentadiene		< 400	400	ug/l	B5111	D
Hexachloroethane		< 130	130	ug/l	B5111	D
Indeno(1,2,3-cd)pyrene		< 300	300	ug/l	B5111	D
Isophorone		< 180	180	ug/l	B5111	D
n-Nitrosodi-n-propylamine		< 68	68	ug/l	B5111	D
n-Nitrosodimethylamine		< 77	77	ug/l	B5111	D
n-Nitrosodiphenylamine		< 160	160	ug/l	B5111	DR
Naphthalene		< 130	130	ug/l	B5111	D
Nitrobenzene		< 160	160	ug/l	B5111	D
2-Nitrophenol		< 290	290	ug/l	B5111	D
4-Nitrophenol		< 200	200	ug/l	B5111	D
p-Chloro-m-cresol		< 240	240	ug/l	B5111	D
Pentachlorophenol		< 290	290	ug/l	B5111	D
Phenanthrene		< 440	440	ug/l	B5111	D
Phenol		< 120	120	ug/l	B5111	D
Pyrene		< 160	160	ug/l	B5111	D
1,2,4-Trichlorobenzene		< 160	160	ug/l	B5111	D
2,4,6-Trichlorophenol		< 220	220	ug/l	B5111	D

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ANALYTICAL RESULTS

AIC No. 119725-2 (Continued)

Sample Identification: INF-C-SEMI-VOA 5/21/2008 0930 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Surrogate Recovery						
2-Fluorobiphenyl			-		B5111	D
2-Fluorophenol			-		B5111	D
Nitrobenzene-D5			-		B5111	D
Phenol-D5			-		B5111	D
Terphenyl-D14			-		B5111	D
2,4,6-Tribromophenol			-		B5111	D

AIC No. 119725-3

Sample Identification: INF-C-SEMI-VOA-2 5/21/2008 0930 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Organochlorine Pesticides and PCBs By EPA 608						
Aldrin		< 0.08	0.08	ug/l	G6932	D
alpha-BHC		< 0.06	0.06	ug/l	G6932	D
alpha-Endosulfan		< 0.28	0.28	ug/l	G6932	D
beta-BHC		< 0.12	0.12	ug/l	G6932	D
beta-Endosulfan		< 0.08	0.08	ug/l	G6932	D
Chlordane		< 0.28	0.28	ug/l	G6932	D
4,4'-DDD		< 0.22	0.22	ug/l	G6932	D
4,4'-DDE		< 0.08	0.08	ug/l	G6932	D
4,4'-DDT		< 0.24	0.24	ug/l	G6932	D
delta-BHC		< 0.18	0.18	ug/l	G6932	D
Dieldrin		< 0.04	0.04	ug/l	G6932	D
Endosulfan sulfate		< 1.4	1.4	ug/l	G6932	D
Endrin		< 0.12	0.12	ug/l	G6932	D
Endrin aldehyde		< 0.46	0.46	ug/l	G6932	D
gamma-BHC (Lindane)		< 0.08	0.08	ug/l	G6932	D
Heptachlor		< 0.06	0.06	ug/l	G6932	D
Heptachlor epoxide		< 1.7	1.7	ug/l	G6932	D
PCB 1016		< 1.4	1.4	ug/l	G6932	D
PCB 1221		< 4	4	ug/l	G6932	D
PCB 1232		< 1	1	ug/l	G6932	D
PCB 1242		< 1.2	1.2	ug/l	G6932	D
PCB 1248		< 1.4	1.4	ug/l	G6932	D
PCB 1254		< 4	4	ug/l	G6932	D
PCB 1260		< 1.2	1.2	ug/l	G6932	D
Toxaphene		< 4.8	4.8	ug/l	G6932	D
Surrogate Recovery						
Decachlorobiphenyl			-		G6932	D
Tetrachloro-m-xylene			-		G6932	D



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SAMPLE PREPARATION REPORT

AIC No. 119725-1	Date/Time	Date/Time			
Analyte	Prepared By	Analyzed By	Dilution	Batch	Qualifier
Volatile Organic Compounds		29MAY08 2000 167		V6664	
AIC No. 119725-2	Date/Time	Date/Time			
Analyte	Prepared By	Analyzed By	Dilution	Batch	Qualifier
Base/Neutral and Acid Compounds	27MAY08 1414 271	02JUN08 1957 194	20	B5111	DR
AIC No. 119725-3	Date/Time	Date/Time			
Analyte	Prepared By	Analyzed By	Dilution	Batch	Qualifier
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 2024 117	10	G6932	D

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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	50 ug/l	90.2/85.8	60-109	4.98	15.8	B5111	
Acenaphthylene	50 ug/l	92.6/87.7	62.9-105	5.43	98.1	B5111	
Anthracene	50 ug/l	89.1/86.6	63.6-109	2.85	50	B5111	
Benzo(a)anthracene	50 ug/l	94.2/92.3	33-143	2.12	50	B5111	
Benzo(a)pyrene	50 ug/l	96.4/92.6	17-163	4.06	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	96.7/97.6	58.5-107	0.906	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	96.2/82.1	11-162	15.9	30	B5111	
3,4-Benzofluoranthene	50 ug/l	97.4/93.5	24-159	4.09	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	85.3/82.8	59.8-106	2.95	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	80.0/78.8	61.9-106	1.59	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	81.0/78.5	59.6-108	3.16	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	88.9/83.9	61.9-126	5.83	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	74.2/71.9	68.7-114	3.15	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	93.2/87.1	59-125	6.79	17	B5111	
2-Chloronaphthalene	50 ug/l	86.2/82.1	67.4-94.4	4.94	19.7	B5111	
2-Chlorophenol	50 ug/l	81.8/79.6	60.9-105	2.72	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.2/80.8	67.8-108	4.05	14.6	B5111	
Chrysene	50 ug/l	88.4/83.2	40.3-122	6.04	30	B5111	
Di-n-butyl phthalate	50 ug/l	85.4/81.6	66.3-125	4.46	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	97.7/90.5	51-145	7.67	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	97.3/99.5	62.4-127	2.21	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	77.7/76.1	46.5-100	2.05	37	B5111	
1,3-Dichlorobenzene	50 ug/l	74.4/71.8	41.7-101	3.56	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	73.8/71.1	47.1-97.9	3.75	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	84.7/82.5	65.7-109	2.54	17.2	B5111	
Diethyl phthalate	50 ug/l	85.1/80.9	64.3-115	5.04	32	B5111	
Dimethyl phthalate	50 ug/l	86.9/72.3	68.9-108	18.4	28	B5111	
2,4-Dimethylphenol	50 ug/l	79.5/74.1	29-109	7.03	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	107/107	50.3-118	0.412	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	75.0/92.4	24.3-113	20.8	61	B5111	
2,4-Dinitrotoluene	50 ug/l	96.3/92.2	63.7-117	4.39	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	95.1/90.7	64.6-117	4.73	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	89.0/85.1	63.1-109	4.57	20.3	B5111	
Fluoranthene	50 ug/l	93.6/90.6	60.8-118	3.26	80	B5111	
Fluorene	50 ug/l	90.2/86.6	63.2-101	4.07	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9/86.5	66.6-107	1.51	18.5	B5111	
Hexachlorobutadiene	50 ug/l	78.2/73.7	41.2-99.5	5.93	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	79.9/73.7	36-109	8.08	31.5	B5111	
Hexachloroethane	50 ug/l	69.4/67.3	42.3-101	3.10	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	94.8/96.2	36.1-138	1.49	40.5	B5111	
Isophorone	50 ug/l	88.1/85.5	61.9-108	2.95	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	88.2/85.3	61.4-116	3.34	68	B5111	
n-Nitrosodimethylamine	50 ug/l	49.5/50.9	44.1-87.8	2.87	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	85.1/83.2	62.9-109	2.23	20	B5111	
Naphthalene	50 ug/l	84.2/81.8	67-92.6	2.87	30	B5111	
Nitrobenzene	50 ug/l	86.4/84.5	62.1-102	2.22	16.9	B5111	
2-Nitrophenol	50 ug/l	87.5/85.4	66.1-114	2.41	85.9	B5111	

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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)							
4-Nitrophenol	50 ug/l	86.5/90.6	45.3-100	4.70	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.0/86.1	62-115	3.33	45	B5111	
Pentachlorophenol	50 ug/l	99.7/104	44.3-113	3.97	30	B5111	
Phenanthrene	50 ug/l	90.8/89.4	62.9-109	1.58	17	B5111	
Phenol	50 ug/l	60.7/61.8	30.6-72.4	1.83	28	B5111	
Pyrene	50 ug/l	91.2/85.5	58.1-114	6.41	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.1/75.7	51.5-101	4.31	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.2/87.6	65.6-111	2.90	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	87.8/84.1	60.7-104	-	-	B5111	
2-Fluorophenol	50 ug/l	73.6/72.5	43.3-86	-	-	B5111	
Nitrobenzene-D5	50 ug/l	86.3/83.7	62.7-106	-	-	B5111	
Phenol-D5	50 ug/l	60.4/61.5	29.7-69.5	-	-	B5111	
Terphenyl-D14	50 ug/l	87.8/81.7	63.5-119	-	-	B5111	
2,4,6-Tribromophenol	50 ug/l	88.8/86.5	62-117	-	-	B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	98.3	52.5-139	-	22.9	V6664	
Benzene	20 ug/l	95.0	71-124	-	15.9	V6664	
Bromoform	20 ug/l	108	58.6-128	-	26.7	V6664	
Carbon tetrachloride	20 ug/l	88.0	64.1-133	-	20.8	V6664	
Chlorobenzene	20 ug/l	95.5	75.5-122	-	16.7	V6664	
Chlorodibromomethane	20 ug/l	104	68.5-123	-	18.4	V6664	
Chloroethane	20 ug/l	102	68.4-133	-	24.9	V6664	
Chloroform	20 ug/l	99.0	71.1-125	-	48.7	V6664	
Dichlorobromomethane	20 ug/l	94.5	70.1-123	-	19.2	V6664	
1,1-Dichloroethane	20 ug/l	94.0	71.3-126	-	20.5	V6664	
1,2-Dichloroethane	20 ug/l	87.0	74.6-127	-	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	104	74.8-128	-	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	102	73.2-127	-	20	V6664	
1,2-Dichloropropane	20 ug/l	95.0	72.8-121	-	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	113	61.1-117	-	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	100	56.7-128	-	20.7	V6664	
Ethylbenzene	20 ug/l	94.0	77.6-122	-	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	106	62.7-136	-	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	104	48.9-142	-	28	V6664	
Methylene chloride	20 ug/l	98.0	71.7-128	-	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	102	69.6-128	-	27.5	V6664	
Tetrachloroethylene	20 ug/l	98.0	66.2-136	-	16.6	V6664	
Toluene	20 ug/l	94.0	73.8-124	-	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	96.0	67.2-127	-	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	96.0	77.3-121	-	20.5	V6664	
Trichloroethylene	20 ug/l	92.5	78-122	-	16.1	V6664	
Vinyl chloride	20 ug/l	97.5	59.4-136	-	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	100	89.8-109	-	-	V6664	
Dibromofluoromethane	50 ug/l	104	88.4-111	-	-	V6664	
Toluene-D8	50 ug/l	100	90.3-109	-	-	V6664	

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Organochlorine Pesticides and PCBs							
Aldrin	0.1 ug/l	72.9/71.1	41.6-121	2.48	19.8	G6932	
alpha-BHC	0.1 ug/l	88.4/86.1	67.6-127	2.63	23.6	G6932	
alpha-Endosulfan	0.1 ug/l	87.3/86.3	63.7-132	1.23	19	G6932	
beta-BHC	0.1 ug/l	89.6/86.3	73.6-121	3.74	32.5	G6932	
beta-Endosulfan	0.1 ug/l	90.3/87.7	68.1-125	2.91	53	G6932	
4,4'-DDD	0.1 ug/l	89.4/89.4	67.8-122	0.0336	27.5	G6932	
4,4'-DDE	0.1 ug/l	86.1/83.3	62.9-126	3.32	28.9	G6932	
4,4'-DDT	0.1 ug/l	88.9/86.6	68.6-124	2.61	34.6	G6932	
delta-BHC	0.1 ug/l	90.9/88.3	63.9-141	2.90	24.8	G6932	
Dieldrin	0.1 ug/l	94.6/92.2	70.4-124	2.61	18	G6932	
Endosulfan sulfate	0.1 ug/l	89.0/87.3	67.2-126	1.91	27	G6932	
Endrin	0.1 ug/l	82.8/80.8	64.6-122	2.40	26.6	G6932	
Endrin aldehyde	0.1 ug/l	70.9/71.1	27.9-117	0.282	53.7	G6932	
gamma-BHC (Lindane)	0.1 ug/l	88.2/86.3	68.9-126	2.12	22.1	G6932	
Heptachlor	0.1 ug/l	82.0/79.8	60.3-120	2.64	26	G6932	
Heptachlor epoxide	0.1 ug/l	89.7/88.4	67.6-125	1.52	27	G6932	
Surrogate Recovery							
Decachlorobiphenyl	0.1 ug/l	87.1/87.1	54.7-130	-		G6932	
Tetrachloro-m-xylene	0.1 ug/l	78.0/77.9	50-109	-		G6932	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	50 ug/l	91.9	50-108	-	15.8	B5111	
Acenaphthylene	50 ug/l	92.4	50.3-108	-	98.1	B5111	
Anthracene	50 ug/l	90.7	53.8-111	-	50	B5111	
Benzo(a)anthracene	50 ug/l	98.2	54.9-115	-	50	B5111	
Benzo(a)pyrene	50 ug/l	95.4	53.4-112	-	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	105	50.9-121	-	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	79.5	53-117	-	30	B5111	
3,4-Benzofluoranthene	50 ug/l	98.4	56.4-120	-	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	87.4	55.1-108	-	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	83.9	50.8-105	-	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	84.2	51.6-108	-	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	85.2	56.1-120	-	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	73.5	52.7-122	-	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	85.4	58.1-119	-	17	B5111	
2-Chloronaphthalene	50 ug/l	87.4	55-103	-	19.7	B5111	
2-Chlorophenol	50 ug/l	85.1	51.6-105	-	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.9	59.1-105	-	14.6	B5111	
Chrysene	50 ug/l	86.5	58.9-108	-	30	B5111	
Di-n-butyl phthalate	50 ug/l	87.3	60.6-117	-	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	87.0	52-136	-	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	106	53.5-118	-	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	81.8	41.7-100	-	37	B5111	
1,3-Dichlorobenzene	50 ug/l	75.9	40.7-95	-	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	75.6	42.3-96	-	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	87.2	55.4-109	-	17.2	B5111	
Diethyl phthalate	50 ug/l	85.5	58.3-110	-	32	B5111	
Dimethyl phthalate	50 ug/l	87.5	56.2-108	-	28	B5111	
2,4-Dimethylphenol	50 ug/l	72.0	8.2-112	-	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	114	52.5-118	-	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	107	41.9-120	-	61	B5111	
2,4-Dinitrotoluene	50 ug/l	100	54.2-109	-	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	94.7	57-108	-	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	86.0	53.7-113	-	20.3	B5111	
Fluoranthene	50 ug/l	103	52.7-118	-	80	B5111	
Fluorene	50 ug/l	93.1	56.1-109	-	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9	57-111	-	18.5	B5111	
Hexachlorobutadiene	50 ug/l	76.6	40.9-100	-	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	77.8	34.4-115	-	31.5	B5111	
Hexachloroethane	50 ug/l	69.8	41.1-100	-	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	105	52.5-121	-	40.5	B5111	
Isophorone	50 ug/l	91.0	51.1-107	-	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	90.7	60.6-116	-	68	B5111	
n-Nitrosodimethylamine	50 ug/l	53.9	33.3-89	-	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	81.5	31.7-122	-	20	B5111	
Naphthalene	50 ug/l	87.2	49.8-104	-	30	B5111	
Nitrobenzene	50 ug/l	96.9	49-114	-	16.9	B5111	
2-Nitrophenol	50 ug/l	91.1	57.6-115	-	85.9	B5111	

Pine Bluff Wastewater Utility
 1520 South Ohio Street
 Pine Bluff, AR 71601-6055

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
4-Nitrophenol	50 ug/l	95.5	45.3-100	-	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.1	59.1-108	-	45	B5111	
Pentachlorophenol	50 ug/l	110	43.9-115	-	30	B5111	
Phenanthrene	50 ug/l	92.4	58-107	-	17	B5111	
Phenol	50 ug/l	65.4	25.3-69	-	28	B5111	
Pyrene	50 ug/l	83.8	48.8-115	-	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.4	46.7-99	-	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.5	55-112	-	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	88.2	52.4-108	-		B5111	
2-Fluorophenol	50 ug/l	76.3	31.4-81	-		B5111	
Nitrobenzene-D5	50 ug/l	88.1	54-107	-		B5111	
Phenol-D5	50 ug/l	64.0	29.6-69	-		B5111	
Terphenyl-D14	50 ug/l	81.0	33.1-145	-		B5111	
2,4,6-Tribromophenol	50 ug/l	89.3	45.6-113	-		B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	84.1/95.2	53.9-132	12.3	22.9	V6664	
Benzene	20 ug/l	88.0/96.0	73.2-127	8.70	15.9	V6664	
Bromoform	20 ug/l	100/110	61.2-128	9.48	26.7	V6664	
Carbon tetrachloride	20 ug/l	95.5/102	70.1-128	6.58	20.8	V6664	
Chlorobenzene	20 ug/l	97.0/106	81.5-120	8.87	16.7	V6664	
Chlorodibromomethane	20 ug/l	94.5/102	68.4-126	8.12	18.4	V6664	
Chloroethane	20 ug/l	88.5/95.5	68.1-143	7.61	24.9	V6664	
Chloroform	20 ug/l	93.0/102	72.1-129	9.23	48.7	V6664	
Dichlorobromomethane	20 ug/l	89.0/96.0	74-122	7.57	19.2	V6664	
1,1-Dichloroethane	20 ug/l	86.5/95.5	71.4-135	9.89	20.5	V6664	
1,2-Dichloroethane	20 ug/l	81.0/90.5	76.7-129	11.1	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	95.5/103	75.1-128	7.56	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	93.0/102	78.1-126	8.74	20	V6664	
1,2-Dichloropropane	20 ug/l	83.0/89.5	73.9-121	7.54	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	95.6/99.0	57.9-110	3.51	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	82.0/89.5	58.8-123	8.75	20.7	V6664	
Ethylbenzene	20 ug/l	89.5/97.5	77.7-122	8.56	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	96.0/101	46.3-137	5.08	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	87.5/95.5	52.9-149	8.74	28	V6664	
Methylene chloride	20 ug/l	94.5/103	74.8-127	8.61	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	91.0/104	71.5-128	12.9	27.5	V6664	
Tetrachloroethylene	20 ug/l	90.5/100	73.5-125	10.5	16.6	V6664	
Toluene	20 ug/l	90.5/98.5	76.6-126	8.47	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	87.5/96.5	71.3-124	9.78	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	91.0/101	77.3-121	10.4	20.5	V6664	
Trichloroethylene	20 ug/l	90.0/99.5	79.3-122	10.0	16.1	V6664	
Vinyl chloride	20 ug/l	86.5/94.5	56.7-147	8.84	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	101/101	89.8-109	-		V6664	



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

MATRIX SPIKE SAMPLE RESULTS

<u>Analyte</u>	<u>Spike Amount</u>	<u>% Recovery</u>	<u>% Recovery Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Batch</u>	<u>Qualifier</u>
Volatile Organic Compounds (Continued)							
Surrogate Recovery							
Dibromofluoromethane	50 ug/l	101/101	88.2-108	-		V6664	
Toluene-D8	50 ug/l	94.6/94.4	90.9-107	-		V6664	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY-BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
Acenaphthene		< 1.9	ug/l	1.9	5	B5111-1	
Acenaphthylene		< 3.5	ug/l	3.5	5	B5111-1	
Anthracene		< 1.9	ug/l	1.9	5	B5111-1	
Benidine		< 44	ug/l	44	50	B5111-1	
Benzo(a)anthracene		< 5	ug/l	5	5	B5111-1	
Benzo(a)pyrene		< 2.5	ug/l	2.5	5	B5111-1	
Benzo(g,h,i)perylene		< 4.1	ug/l	4.1	5	B5111-1	
Benzo(k)fluoranthene		< 2.5	ug/l	2.5	5	B5111-1	
3,4-Benzofluoranthene		< 4.8	ug/l	4.8	5	B5111-1	
Bis(2-chloroethoxy)methane		< 5.3	ug/l	5.3	5	B5111-1	
Bis(2-chloroethyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-chloroisopropyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-ethylhexyl)phthalate		< 2.5	ug/l	2.5	5	B5111-1	
4-Bromophenyl phenyl ether		< 1.9	ug/l	1.9	5	B5111-1	
Butylbenzyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
2-Chloronaphthalene		< 1.9	ug/l	1.9	5	B5111-1	
2-Chlorophenol		< 3.3	ug/l	3.3	5	B5111-1	
4-Chlorophenyl phenyl ether		< 4.2	ug/l	4.2	5	B5111-1	
Chrysene		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-butyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-octyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Dibenzo(a,h)anthracene		< 2.5	ug/l	2.5	5	B5111-1	
1,2-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,3-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,4-Dichlorobenzene		< 4.4	ug/l	4.4	5	B5111-1	
3,3'-Dichlorobenzidine		< 5	ug/l	5	20	B5111-1	
2,4-Dichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Diethyl phthalate		< 1.9	ug/l	1.9	5	B5111-1	
Dimethyl phthalate		< 1.6	ug/l	1.6	5	B5111-1	
2,4-Dimethylphenol		< 2.7	ug/l	2.7	5	B5111-1	
4,6-Dinitro-o-cresol		< 24	ug/l	24	5	B5111-1	
2,4-Dinitrophenol		< 42	ug/l	42	5	B5111-1	
2,4-Dinitrotoluene		< 5.7	ug/l	5.7	5	B5111-1	
2,6-Dinitrotoluene		< 1.9	ug/l	1.9	5	B5111-1	
1,2-Diphenylhydrazine		< 11	ug/l	11	5	B5111-1	
Fluoranthene		< 2.2	ug/l	2.2	5	B5111-1	
Fluorene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobutadiene		< 0.9	ug/l	0.9	5	B5111-1	
Hexachlorocyclopentadiene		< 0.78	ug/l	0.78	5	B5111-1	
Hexachloroethane		< 1.6	ug/l	1.6	5	B5111-1	
Indeno(1,2,3-cd)pyrene		< 3.7	ug/l	3.7	5	B5111-1	
Isophorone		< 2.2	ug/l	2.2	5	B5111-1	
n-Nitrosodi-n-propylamine		< 0.84	ug/l	0.84	5	B5111-1	
n-Nitrosodimethylamine		< 0.96	ug/l	0.96	5	B5111-1	
n-Nitrosodiphenylamine		< 1.9	ug/l	1.9	5	B5111-1	R
Naphthalene		< 1.6	ug/l	1.6	5	B5111-1	
Nitrobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2-Nitrophenol		< 3.6	ug/l	3.6	5	B5111-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
4-Nitrophenol		< 2.4	ug/l	2.4	5	B5111-1	
p-Chloro-m-cresol		< 3	ug/l	3	5	B5111-1	
Pentachlorophenol		< 1	ug/l	1	1	B5111-1	
Phenanthrene		< 5.4	ug/l	5.4	5	B5111-1	
Phenol		< 1.5	ug/l	1.5	5	B5111-1	
Pyrene		< 1.9	ug/l	1.9	5	B5111-1	
1,2,4-Trichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2,4,6-Trichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Surrogate Recovery							
2-Fluorobiphenyl		80.6	%	-	-	B5111-1	
2-Fluorophenol		68.3	%	-	-	B5111-1	
Nitrobenzene-D5		82.5	%	-	-	B5111-1	
Phenol-D5		59.7	%	-	-	B5111-1	
Terphenyl-D14		89.7	%	-	-	B5111-1	
2,4,6-Tribromophenol		77.3	%	-	-	B5111-1	
Volatile Organic Compounds By EPA 624							
Acrolein		< 50	ug/l	50	50	V6664-1	
Acrylonitrile		< 20	ug/l	20	25	V6664-1	
Benzene		< 4.4	ug/l	4.4	5	V6664-1	
Bromoform		< 4.7	ug/l	4.7	5	V6664-1	
Carbon tetrachloride		< 2.8	ug/l	2.8	5	V6664-1	
Chlorobenzene		< 6	ug/l	6	6	V6664-1	
Chlorodibromomethane		< 3.1	ug/l	3.1	5	V6664-1	
Chloroethane		< 8.7	ug/l	8.7	8.7	V6664-1	
2-Chloroethylvinyl ether		< 5.1	ug/l	5.1	5.1	V6664-1	
Chloroform		< 1.6	ug/l	1.6	5	V6664-1	
Dichlorobromomethane		< 2.2	ug/l	2.2	5	V6664-1	
1,1-Dichloroethane		< 4.7	ug/l	4.7	5	V6664-1	
1,2-Dichloroethane		< 2.8	ug/l	2.8	5	V6664-1	
1,1-Dichloroethylene		< 2.8	ug/l	2.8	5	V6664-1	
trans-1,2-Dichloroethylene		< 1.6	ug/l	1.6	5	V6664-1	
1,2-Dichloropropane		< 6	ug/l	6	6	V6664-1	
cis-1,3-Dichloropropylene		< 5	ug/l	5	5	V6664-1	
trans-1,3-Dichloropropylene		< 1.3	ug/l	1.3	5	V6664-1	
Ethylbenzene		< 7.2	ug/l	7.2	7.2	V6664-1	
Methyl bromide(Bromomethane)		< 8.9	ug/l	8.9	8.9	V6664-1	
Methyl chloride(Chloromethane)		< 7.8	ug/l	7.8	7.8	V6664-1	
Methylene chloride		< 10	ug/l	10	10	V6664-1	
1,1,2,2-Tetrachloroethane		< 6.9	ug/l	6.9	6.9	V6664-1	
Tetrachloroethylene		< 4.1	ug/l	4.1	5	V6664-1	
Toluene		< 6	ug/l	6	6	V6664-1	
1,1,1-Trichloroethane		< 3.8	ug/l	3.8	5	V6664-1	
1,1,2-Trichloroethane		< 5	ug/l	5	5	V6664-1	
Trichloroethylene		< 1.9	ug/l	1.9	5	V6664-1	
Vinyl chloride		< 6.4	ug/l	6.4	6.4	V6664-1	
Surrogate Recovery							
Bromofluorobenzene		101	%	-	-	V6664-1	
Dibromofluoromethane		106	%	-	-	V6664-1	
Toluene-D8		98.4	%	-	-	V6664-1	

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Organochlorine Pesticides and PCBs By EPA 608							
Aldrin		< 0.004	ug/l	0.004	0.02	G6932-1	
alpha-BHC		< 0.003	ug/l	0.003	0.02	G6932-1	
alpha-Endosulfan		< 0.014	ug/l	0.014	0.02	G6932-1	
beta-BHC		< 0.006	ug/l	0.006	0.02	G6932-1	
beta-Endosulfan		< 0.004	ug/l	0.004	0.02	G6932-1	
Chlordane		< 0.014	ug/l	0.014	0.02	G6932-1	
4,4'-DDD		< 0.011	ug/l	0.011	0.02	G6932-1	
4,4'-DDE		< 0.004	ug/l	0.004	0.02	G6932-1	
4,4'-DDT		< 0.012	ug/l	0.012	0.02	G6932-1	
delta-BHC		< 0.009	ug/l	0.009	0.02	G6932-1	
Dieldrin		< 0.002	ug/l	0.002	0.02	G6932-1	
Endosulfan sulfate		< 0.066	ug/l	0.066	0.066	G6932-1	
Endrin		< 0.006	ug/l	0.006	0.02	G6932-1	
Endrin aldehyde		< 0.023	ug/l	0.023	0.023	G6932-1	
gamma-BHC (Lindane)		< 0.004	ug/l	0.004	0.02	G6932-1	
Heptachlor		< 0.003	ug/l	0.003	0.02	G6932-1	
Heptachlor epoxide		< 0.083	ug/l	0.083	0.083	G6932-1	
PCB 1016		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1221		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1232		< 0.05	ug/l	0.05	0.05	G6932-1	
PCB 1242		< 0.06	ug/l	0.06	0.06	G6932-1	
PCB 1248		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1254		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1260		< 0.06	ug/l	0.06	0.06	G6932-1	
Toxaphene		< 0.24	ug/l	0.24	0.24	G6932-1	
Surrogate Recovery							
Decachlorobiphenyl		69.1	%	-	-	G6932-1	
Tetrachloro-m-xylene		89.5	%	-	-	G6932-1	



Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1339 194		B5111-2	
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1421 194		B5111-3	
Volatile Organic Compounds		28MAY08 1127 167		V6664-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1914 117		G6932-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1928 117		G6932-3	

MATRIX SPIKE SAMPLES

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1503 194		B5111-4	
Volatile Organic Compounds		28MAY08 1509 167		V6664-4	
Volatile Organic Compounds		28MAY08 1554 167		V6664-5	

LABORATORY BLANKS

Analyte	Date/Time Prepared By	Date/Time Analyzed By	Dilution	QC Sample	Qualifier
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1257 194		B5111-1	R
Volatile Organic Compounds		28MAY08 1208 167		V6664-1	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1900 117		G6932-1	

2008 SAMPLE CUSTODY REPORT

PBWWU LAB. TEL. (870) 535 0821

PBWWU LAB. FAX. NUMBER: (870) 535 0822

P.O. NUMBER:

12276

MONTH:

MAY

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③

SAMPLE ID	INF-C-0508-VOA	INF-C-SEMI-VOA	INF-C-SEMI-VOA-2
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER.	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	INDUSTRIAL PARK PUMP STATION	INDUSTRIAL PARK PUMP STATION	INDUSTRIAL PARK PUMP STATION
SAMPLE TYPE	GRAB	24 HRS TIME COMP	24 HRS TIME COMP
COLLECTION DAY	5/21/2008	5/21/2008	5/21/2008
COLLECTION TIME	0930 HRS	0930 HRS	0930 HRS
PARAMETER	VOA-METHOD 624	METHOD 625	METHOD 608
SAMPLE COLLECTOR	NMJ	NMJ	NMJ
PRESERVATION	1:1 HCL	NONE	NONE

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
SAMPLE TRANSPORT BY:	<i>Leander Wampler</i>
SAMPLE TRANSPORT DATE & TIME:	<i>5-23-08 ; 1330 (hrs)</i>

I *Lupe Hopton*, HAVE RECEIVED WASTEWATER SAMPLE(S) FROM PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE
ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR



Pine Bluff Wastewater Utility
ATTN: Mr. Vincent Miles
1520 South Ohio Street
Pine Bluff, AR 71601-6055

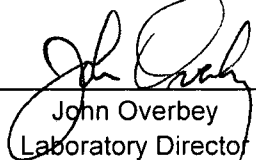
Dear Mr. Vincent Miles:

Project Description: Three (3) water sample(s) received on May 23, 2008
MAY
Bush Pump Station
P.O. No. 12277

This report is the analytical results and supporting information for the samples submitted to American Interplex Corporation (AIC) on May 23, 2008. The following results are applicable only to the samples 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 appropriate 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

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

CASE NARRATIVE

SAMPLE RECEIPT

Received Temperature: 2°C

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

COMMENTS

Elevated reporting limits for chlorinated pesticides and semi-volatiles are due to matrix interference.

QUALIFIERS

Qualifiers	Definition
D	Result is from a secondary dilution factor
J	Result is less than the sample's quantitation limit but greater than MDL
R	n-Nitrosodiphenylamine cannot be separated from diphenylamine

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).

Pine Bluff Wastewater Utility
1520 South Ohio Street
Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119726-1

Sample Identification: INF-C-0508-VOA-B 5/21/2008 1035 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Volatile Organic Compounds By EPA 624						
Acrolein		< 50	50	ug/l	V6664	
Acrylonitrile		< 50	50	ug/l	V6664	
Benzene		< 4.4	4.4	ug/l	V6664	
Bromoform		< 4.7	4.7	ug/l	V6664	
Carbon tetrachloride		< 2.8	2.8	ug/l	V6664	
Chlorobenzene		< 6	6	ug/l	V6664	
Chlorodibromomethane		< 3.1	3.1	ug/l	V6664	
Chloroethane		< 8.7	8.7	ug/l	V6664	
2-Chloroethylvinyl ether		< 5.1	5.1	ug/l	V6664	
Chloroform		< 1.6	1.6	ug/l	V6664	
Dichlorobromomethane		< 2.2	2.2	ug/l	V6664	
1,1-Dichloroethane		< 4.7	4.7	ug/l	V6664	
1,2-Dichloroethane		< 2.8	2.8	ug/l	V6664	
1,1-Dichloroethylene		< 2.8	2.8	ug/l	V6664	
trans-1,2-Dichloroethylene		< 1.6	1.6	ug/l	V6664	
1,2-Dichloropropane		< 6	6	ug/l	V6664	
cis-1,3-Dichloropropylene		< 5	5	ug/l	V6664	
trans-1,3-Dichloropropylene		< 1.3	1.3	ug/l	V6664	
Ethylbenzene		< 7.2	7.2	ug/l	V6664	
Methyl bromide(Bromomethane)		< 8.9	8.9	ug/l	V6664	
Methyl chloride(Chloromethane)		< 7.8	7.8	ug/l	V6664	
Methylene chloride		< 10	10	ug/l	V6664	
1,1,2,2-Tetrachloroethane		< 6.9	6.9	ug/l	V6664	
Tetrachloroethylene		< 4.1	4.1	ug/l	V6664	
Toluene		< 6	6	ug/l	V6664	
1,1,1-Trichloroethane		< 3.8	3.8	ug/l	V6664	
1,1,2-Trichloroethane		< 5	5	ug/l	V6664	
Trichloroethylene		< 1.9	1.9	ug/l	V6664	
Vinyl chloride		< 6.4	6.4	ug/l	V6664	
Surrogate Recovery						
Bromofluorobenzene		103	-	%	V6664	
Dibromofluoromethane		96.6	-	%	V6664	
Toluene-D8		100	-	%	V6664	

AIC No. 119726-2

Sample Identification: INF-C-SEMI-VOA-B 5/21/2008 1035 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625						
Acenaphthene		< 19	19	ug/l	B5111	D
Acenaphthylene		< 35	35	ug/l	B5111	D
Anthracene		< 19	19	ug/l	B5111	D
Benzidine		< 440	440	ug/l	B5111	D
Benzo(a)anthracene		< 50	50	ug/l	B5111	D
Benzo(a)pyrene		< 25	25	ug/l	B5111	D
Benzo(g,h,i)perylene		< 41	41	ug/l	B5111	D
Benzo(k)fluoranthene		< 25	25	ug/l	B5111	D
3,4-Benzofluoranthene		< 48	48	ug/l	B5111	D

Pine Bluff Wastewater Utility
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ANALYTICAL RESULTS

AIC No. 119726-2 (Continued)

Sample Identification: INF-C-SEMI-VOA-B 5/21/2008 1035 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Bis(2-chloroethoxy)methane		< 53	53	ug/l	B5111	D
Bis(2-chloroethyl)ether		< 57	57	ug/l	B5111	D
Bis(2-chloroisopropyl)ether		< 57	57	ug/l	B5111	D
Bis(2-ethylhexyl)phthalate		27	25	ug/l	B5111	DJ
4-Bromophenyl phenyl ether		< 19	19	ug/l	B5111	D
Butylbenzyl phthalate		< 25	25	ug/l	B5111	D
2-Chloronaphthalene		< 19	19	ug/l	B5111	D
2-Chlorophenol		< 33	33	ug/l	B5111	D
4-Chlorophenyl phenyl ether		< 42	42	ug/l	B5111	D
Chrysene		< 25	25	ug/l	B5111	D
Di-n-butyl phthalate		< 25	25	ug/l	B5111	D
Di-n-octyl phthalate		< 25	25	ug/l	B5111	D
Dibenzo(a,h)anthracene		< 25	25	ug/l	B5111	D
1,2-Dichlorobenzene		< 19	19	ug/l	B5111	D
1,3-Dichlorobenzene		< 19	19	ug/l	B5111	D
1,4-Dichlorobenzene		< 44	44	ug/l	B5111	D
3,3'-Dichlorobenzidine		< 50	50	ug/l	B5111	D
2,4-Dichlorophenol		< 27	27	ug/l	B5111	D
Diethyl phthalate		< 19	19	ug/l	B5111	D
Dimethyl phthalate		< 16	16	ug/l	B5111	D
2,4-Dimethylphenol		< 27	27	ug/l	B5111	D
4,6-Dinitro-o-cresol		< 240	240	ug/l	B5111	D
2,4-Dinitrophenol		< 420	420	ug/l	B5111	D
2,4-Dinitrotoluene		< 57	57	ug/l	B5111	D
2,6-Dinitrotoluene		< 19	19	ug/l	B5111	D
1,2-Diphenylhydrazine		< 110	110	ug/l	B5111	D
Fluoranthene		< 22	22	ug/l	B5111	D
Fluorene		< 19	19	ug/l	B5111	D
Hexachlorobenzene		< 19	19	ug/l	B5111	D
Hexachlorobutadiene		< 9	9	ug/l	B5111	D
Hexachlorocyclopentadiene		< 50	50	ug/l	B5111	D
Hexachloroethane		< 16	16	ug/l	B5111	D
Indeno(1,2,3-cd)pyrene		< 37	37	ug/l	B5111	D
Isophorone		< 22	22	ug/l	B5111	D
n-Nitrosodi-n-propylamine		< 8.4	8.4	ug/l	B5111	D
n-Nitrosodimethylamine		< 9.6	9.6	ug/l	B5111	D
n-Nitrosodiphenylamine		< 19	19	ug/l	B5111	DR
Naphthalene		< 16	16	ug/l	B5111	D
Nitrobenzene		< 19	19	ug/l	B5111	D
2-Nitrophenol		< 36	36	ug/l	B5111	D
4-Nitrophenol		< 24	24	ug/l	B5111	D
p-Chloro-m-cresol		< 30	30	ug/l	B5111	D
Pentachlorophenol		< 36	36	ug/l	B5111	D
Phenanthrene		< 54	54	ug/l	B5111	D
Phenol		< 15	15	ug/l	B5111	D
Pyrene		< 19	19	ug/l	B5111	D
1,2,4-Trichlorobenzene		< 19	19	ug/l	B5111	D
2,4,6-Trichlorophenol		< 27	27	ug/l	B5111	D

Pine Bluff Wastewater Utility
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Pine Bluff, AR 71601-6055

ANALYTICAL RESULTS

AIC No. 119726-2 (Continued)

Sample Identification: INF-C-SEMI-VOA-B 5/21/2008 1035 HRS

Analyte	Method	Result	RL	Units	Batch	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)						
Surrogate Recovery						
2-Fluorobiphenyl			-		B5111	D
2-Fluorophenol			-		B5111	D
Nitrobenzene-D5			-		B5111	D
Phenol-D5			-		B5111	D
Terphenyl-D14			-		B5111	D
2,4,6-Tribromophenol			-		B5111	D

AIC No. 119726-3

Sample Identification: INF-C-SEMI-VOA-2-B 5/21/2008 1035 HRS

Note: Elevated reporting limits for Chlorinated Pesticides are due to interference.

Analyte	Method	Result	RL	Units	Batch	Qualifier
Organochlorine Pesticides and PCBs By EPA 608						
Aldrin		< 0.008	0.008	ug/l	G6932	
alpha-BHC		< 0.006	0.006	ug/l	G6932	
alpha-Endosulfan		< 0.028	0.028	ug/l	G6932	
beta-BHC		< 0.012	0.012	ug/l	G6932	
beta-Endosulfan		< 0.008	0.008	ug/l	G6932	
Chlordane		< 0.028	0.028	ug/l	G6932	
4,4'-DDD		< 0.022	0.022	ug/l	G6932	
4,4'-DDE		< 0.008	0.008	ug/l	G6932	
4,4'-DDT		< 0.024	0.024	ug/l	G6932	
delta-BHC		< 0.018	0.018	ug/l	G6932	
Dieldrin		< 0.004	0.004	ug/l	G6932	
Endosulfan sulfate		< 0.14	0.14	ug/l	G6932	
Endrin		< 0.012	0.012	ug/l	G6932	
Endrin aldehyde		< 0.046	0.046	ug/l	G6932	
gamma-BHC (Lindane)		< 0.008	0.008	ug/l	G6932	
Heptachlor		< 0.006	0.006	ug/l	G6932	
Heptachlor epoxide		< 0.17	0.17	ug/l	G6932	
PCB 1016		< 0.14	0.14	ug/l	G6932	
PCB 1221		< 0.4	0.4	ug/l	G6932	
PCB 1232		< 0.1	0.1	ug/l	G6932	
PCB 1242		< 0.12	0.12	ug/l	G6932	
PCB 1248		< 0.14	0.14	ug/l	G6932	
PCB 1254		< 0.4	0.4	ug/l	G6932	
PCB 1260		< 0.12	0.12	ug/l	G6932	
Toxaphene		< 0.48	0.48	ug/l	G6932	
Surrogate Recovery						
Decachlorobiphenyl		32.0	-	%	G6932	
Tetrachloro-m-xylene		51.9	-	%	G6932	

Pine Bluff Wastewater Utility
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SAMPLE PREPARATION REPORT

AIC No. 119726-1	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Volatile Organic Compounds		03JUN08 1139 167		V6664	
AIC No. 119726-2	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Base/Neutral and Acid Compounds	27MAY08 1414 271	02JUN08 2039 194	5	B5111	DJR
AIC No. 119726-3	Date/Time Prepared By	Date/Time Analyzed By	Dilution	Batch	Qualifier
Analyte Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1956 117		G6932	

Pine Bluff Wastewater Utility
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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	50 ug/l	90.2/85.8	60-109	4.98	15.8	B5111	
Acenaphthylene	50 ug/l	92.6/87.7	62.9-105	5.43	98.1	B5111	
Anthracene	50 ug/l	89.1/86.6	63.6-109	2.85	50	B5111	
Benzo(a)anthracene	50 ug/l	94.2/92.3	33-143	2.12	50	B5111	
Benzo(a)pyrene	50 ug/l	96.4/92.6	17-163	4.06	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	96.7/97.6	58.5-107	0.906	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	96.2/82.1	11-162	15.9	30	B5111	
3,4-Benzofluoranthene	50 ug/l	97.4/93.5	24-159	4.09	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	85.3/82.8	59.8-106	2.95	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	80.0/78.8	61.9-106	1.59	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	81.0/78.5	59.6-108	3.16	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	88.9/83.9	61.9-126	5.83	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	74.2/71.9	68.7-114	3.15	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	93.2/87.1	59-125	6.79	17	B5111	
2-Chloronaphthalene	50 ug/l	86.2/82.1	67.4-94.4	4.94	19.7	B5111	
2-Chlorophenol	50 ug/l	81.8/79.6	60.9-105	2.72	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.2/80.8	67.8-108	4.05	14.6	B5111	
Chrysene	50 ug/l	88.4/83.2	40.3-122	6.04	30	B5111	
Di-n-butyl phthalate	50 ug/l	85.4/81.6	66.3-125	4.46	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	97.7/90.5	51-145	7.67	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	97.3/99.5	62.4-127	2.21	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	77.7/76.1	46.5-100	2.05	37	B5111	
1,3-Dichlorobenzene	50 ug/l	74.4/71.8	41.7-101	3.56	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	73.8/71.1	47.1-97.9	3.75	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	84.7/82.5	65.7-109	2.54	17.2	B5111	
Diethyl phthalate	50 ug/l	85.1/80.9	64.3-115	5.04	32	B5111	
Dimethyl phthalate	50 ug/l	86.9/72.3	68.9-108	18.4	28	B5111	
2,4-Dimethylphenol	50 ug/l	79.5/74.1	29-109	7.03	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	107/107	50.3-118	0.412	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	75.0/92.4	24.3-113	20.8	61	B5111	
2,4-Dinitrotoluene	50 ug/l	96.3/92.2	63.7-117	4.39	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	95.1/90.7	64.6-117	4.73	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	89.0/85.1	63.1-109	4.57	20.3	B5111	
Fluoranthene	50 ug/l	93.6/90.6	60.8-118	3.26	80	B5111	
Fluorene	50 ug/l	90.2/86.6	63.2-101	4.07	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9/86.5	66.6-107	1.51	18.5	B5111	
Hexachlorobutadiene	50 ug/l	78.2/73.7	41.2-99.5	5.93	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	79.9/73.7	36-109	8.08	31.5	B5111	
Hexachloroethane	50 ug/l	69.4/67.3	42.3-101	3.10	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	94.8/96.2	36.1-138	1.49	40.5	B5111	
Isophorone	50 ug/l	88.1/85.5	61.9-108	2.95	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	88.2/85.3	61.4-116	3.34	68	B5111	
n-Nitrosodimethylamine	50 ug/l	49.5/50.9	44.1-87.8	2.87	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	85.1/83.2	62.9-109	2.23	20	B5111	
Naphthalene	50 ug/l	84.2/81.8	67-92.6	2.87	30	B5111	
Nitrobenzene	50 ug/l	86.4/84.5	62.1-102	2.22	16.9	B5111	
2-Nitrophenol	50 ug/l	87.5/85.4	66.1-114	2.41	85.9	B5111	

Pine Bluff Wastewater Utility
 1520 South Ohio Street
 Pine Bluff, AR 71601-6055

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
4-Nitrophenol	50 ug/l	86.5/90.6	45.3-100	4.70	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.0/86.1	62-115	3.33	45	B5111	
Pentachlorophenol	50 ug/l	99.7/104	44.3-113	3.97	30	B5111	
Phenanthrene	50 ug/l	90.8/89.4	62.9-109	1.58	17	B5111	
Phenol	50 ug/l	60.7/61.8	30.6-72.4	1.83	28	B5111	
Pyrene	50 ug/l	91.2/85.5	58.1-114	6.41	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.1/75.7	51.5-101	4.31	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.2/87.6	65.6-111	2.90	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	87.8/84.1	60.7-104	-		B5111	
2-Fluorophenol	50 ug/l	73.6/72.5	43.3-86	-		B5111	
Nitrobenzene-D5	50 ug/l	86.3/83.7	62.7-106	-		B5111	
Phenol-D5	50 ug/l	60.4/61.5	29.7-69.5	-		B5111	
Terphenyl-D14	50 ug/l	87.8/81.7	63.5-119	-		B5111	
2,4,6-Tribromophenol	50 ug/l	88.8/86.5	62-117	-		B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	98.3	52.5-139	-	22.9	V6664	
Benzene	20 ug/l	95.0	71-124	-	15.9	V6664	
Bromoform	20 ug/l	108	58.6-128	-	26.7	V6664	
Carbon tetrachloride	20 ug/l	88.0	64.1-133	-	20.8	V6664	
Chlorobenzene	20 ug/l	95.5	75.5-122	-	16.7	V6664	
Chlorodibromomethane	20 ug/l	104	68.5-123	-	18.4	V6664	
Chloroethane	20 ug/l	102	68.4-133	-	24.9	V6664	
Chloroform	20 ug/l	99.0	71.1-125	-	48.7	V6664	
Dichlorobromomethane	20 ug/l	94.5	70.1-123	-	19.2	V6664	
1,1-Dichloroethane	20 ug/l	94.0	71.3-126	-	20.5	V6664	
1,2-Dichloroethane	20 ug/l	87.0	74.6-127	-	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	104	74.8-128	-	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	102	73.2-127	-	20	V6664	
1,2-Dichloropropane	20 ug/l	95.0	72.8-121	-	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	113	61.1-117	-	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	100	56.7-128	-	20.7	V6664	
Ethylbenzene	20 ug/l	94.0	77.6-122	-	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	106	62.7-136	-	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	104	48.9-142	-	28	V6664	
Methylene chloride	20 ug/l	98.0	71.7-128	-	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	102	69.6-128	-	27.5	V6664	
Tetrachloroethylene	20 ug/l	98.0	66.2-136	-	16.6	V6664	
Toluene	20 ug/l	94.0	73.8-124	-	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	96.0	67.2-127	-	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	96.0	77.3-121	-	20.5	V6664	
Trichloroethylene	20 ug/l	92.5	78-122	-	16.1	V6664	
Vinyl chloride	20 ug/l	97.5	59.4-136	-	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	100	89.8-109	-		V6664	
Dibromofluoromethane	50 ug/l	104	88.4-111	-		V6664	
Toluene-D8	50 ug/l	100	90.3-109	-		V6664	

Pine Bluff Wastewater Utility
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Organochlorine Pesticides and PCBs							
Aldrin	0.1 ug/l	72.9/71.1	41.6-121	2.48	19.8	G6932	
alpha-BHC	0.1 ug/l	88.4/86.1	67.6-127	2.63	23.6	G6932	
alpha-Endosulfan	0.1 ug/l	87.3/86.3	63.7-132	1.23	19	G6932	
beta-BHC	0.1 ug/l	89.6/86.3	73.6-121	3.74	32.5	G6932	
beta-Endosulfan	0.1 ug/l	90.3/87.7	68.1-125	2.91	53	G6932	
4,4'-DDD	0.1 ug/l	89.4/89.4	67.8-122	0.0336	27.5	G6932	
4,4'-DDE	0.1 ug/l	86.1/83.3	62.9-126	3.32	28.9	G6932	
4,4'-DDT	0.1 ug/l	88.9/86.6	68.6-124	2.61	34.6	G6932	
delta-BHC	0.1 ug/l	90.9/88.3	63.9-141	2.90	24.8	G6932	
Dieldrin	0.1 ug/l	94.6/92.2	70.4-124	2.61	18	G6932	
Endosulfan sulfate	0.1 ug/l	89.0/87.3	67.2-126	1.91	27	G6932	
Endrin	0.1 ug/l	82.8/80.8	64.6-122	2.40	26.6	G6932	
Endrin aldehyde	0.1 ug/l	70.9/71.1	27.9-117	0.282	53.7	G6932	
gamma-BHC (Lindane)	0.1 ug/l	88.2/86.3	68.9-126	2.12	22.1	G6932	
Heptachlor	0.1 ug/l	82.0/79.8	60.3-120	2.64	26	G6932	
Heptachlor epoxide	0.1 ug/l	89.7/88.4	67.6-125	1.52	27	G6932	
Surrogate Recovery							
Decachlorobiphenyl	0.1 ug/l	87.1/87.1	54.7-130	-		G6932	
Tetrachloro-m-xylene	0.1 ug/l	78.0/77.9	50-109	-		G6932	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds							
Acenaphthene	50 ug/l	91.9	50-108	-	15.8	B5111	
Acenaphthylene	50 ug/l	92.4	50.3-108	-	98.1	B5111	
Anthracene	50 ug/l	90.7	53.8-111	-	50	B5111	
Benzo(a)anthracene	50 ug/l	98.2	54.9-115	-	50	B5111	
Benzo(a)pyrene	50 ug/l	95.4	53.4-112	-	50	B5111	
Benzo(g,h,i)perylene	50 ug/l	105	50.9-121	-	40.4	B5111	
Benzo(k)fluoranthene	50 ug/l	79.5	53-117	-	30	B5111	
3,4-Benzofluoranthene	50 ug/l	98.4	56.4-120	-	17.5	B5111	
Bis(2-chloroethoxy)methane	50 ug/l	87.4	55.1-108	-	14.8	B5111	
Bis(2-chloroethyl)ether	50 ug/l	83.9	50.8-105	-	16	B5111	
Bis(2-chloroisopropyl)ether	50 ug/l	84.2	51.6-108	-	15.8	B5111	
Bis(2-ethylhexyl)phthalate	50 ug/l	85.2	56.1-120	-	16.2	B5111	
4-Bromophenyl phenyl ether	50 ug/l	73.5	52.7-122	-	18.8	B5111	
Butylbenzyl phthalate	50 ug/l	85.4	58.1-119	-	17	B5111	
2-Chloronaphthalene	50 ug/l	87.4	55-103	-	19.7	B5111	
2-Chlorophenol	50 ug/l	85.1	51.6-105	-	15.9	B5111	
4-Chlorophenyl phenyl ether	50 ug/l	84.9	59.1-105	-	14.6	B5111	
Chrysene	50 ug/l	86.5	58.9-108	-	30	B5111	
Di-n-butyl phthalate	50 ug/l	87.3	60.6-117	-	14.2	B5111	
Di-n-octyl phthalate	50 ug/l	87.0	52-136	-	26.4	B5111	
Dibenzo(a,h)anthracene	50 ug/l	106	53.5-118	-	36.6	B5111	
1,2-Dichlorobenzene	50 ug/l	81.8	41.7-100	-	37	B5111	
1,3-Dichlorobenzene	50 ug/l	75.9	40.7-95	-	18.5	B5111	
1,4-Dichlorobenzene	50 ug/l	75.6	42.3-96	-	25.3	B5111	
2,4-Dichlorophenol	50 ug/l	87.2	55.4-109	-	17.2	B5111	
Diethyl phthalate	50 ug/l	85.5	58.3-110	-	32	B5111	
Dimethyl phthalate	50 ug/l	87.5	56.2-108	-	28	B5111	
2,4-Dimethylphenol	50 ug/l	72.0	8.2-112	-	61.3	B5111	
4,6-Dinitro-o-cresol	50 ug/l	114	52.5-118	-	21.8	B5111	
2,4-Dinitrophenol	50 ug/l	107	41.9-120	-	61	B5111	
2,4-Dinitrotoluene	50 ug/l	100	54.2-109	-	24.1	B5111	
2,6-Dinitrotoluene	50 ug/l	94.7	57-108	-	19.7	B5111	
1,2-Diphenylhydrazine	50 ug/l	86.0	53.7-113	-	20.3	B5111	
Fluoranthene	50 ug/l	103	52.7-118	-	80	B5111	
Fluorene	50 ug/l	93.1	56.1-109	-	50.5	B5111	
Hexachlorobenzene	50 ug/l	87.9	57-111	-	18.5	B5111	
Hexachlorobutadiene	50 ug/l	76.6	40.9-100	-	22.8	B5111	
Hexachlorocyclopentadiene	50 ug/l	77.8	34.4-115	-	31.5	B5111	
Hexachloroethane	50 ug/l	69.8	41.1-100	-	18.5	B5111	
Indeno(1,2,3-cd)pyrene	50 ug/l	105	52.5-121	-	40.5	B5111	
Isophorone	50 ug/l	91.0	51.1-107	-	13.8	B5111	
n-Nitrosodi-n-propylamine	50 ug/l	90.7	60.6-116	-	68	B5111	
n-Nitrosodimethylamine	50 ug/l	53.9	33.3-89	-	23.7	B5111	
n-Nitrosodiphenylamine	50 ug/l	81.5	31.7-122	-	20	B5111	
Naphthalene	50 ug/l	87.2	49.8-104	-	30	B5111	
Nitrobenzene	50 ug/l	96.9	49-114	-	16.9	B5111	
2-Nitrophenol	50 ug/l	91.1	57.6-115	-	85.9	B5111	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Base/Neutral and Acid Compounds (Continued)							
4-Nitrophenol	50 ug/l	95.5	45.3-100	-	57	B5111	
p-Chloro-m-cresol	50 ug/l	89.1	59.1-108	-	45	B5111	
Pentachlorophenol	50 ug/l	110	43.9-115	-	30	B5111	
Phenanthrene	50 ug/l	92.4	58-107	-	17	B5111	
Phenol	50 ug/l	65.4	25.3-69	-	28	B5111	
Pyrene	50 ug/l	83.8	48.8-115	-	22.8	B5111	
1,2,4-Trichlorobenzene	50 ug/l	79.4	46.7-99	-	34	B5111	
2,4,6-Trichlorophenol	50 ug/l	90.5	55-112	-	77.3	B5111	
Surrogate Recovery							
2-Fluorobiphenyl	50 ug/l	88.2	52.4-108	-		B5111	
2-Fluorophenol	50 ug/l	76.3	31.4-81	-		B5111	
Nitrobenzene-D5	50 ug/l	88.1	54-107	-		B5111	
Phenol-D5	50 ug/l	64.0	29.6-69	-		B5111	
Terphenyl-D14	50 ug/l	81.0	33.1-145	-		B5111	
2,4,6-Tribromophenol	50 ug/l	89.3	45.6-113	-		B5111	
Volatile Organic Compounds							
Acrylonitrile	200 ug/l	84.1/95.2	53.9-132	12.3	22.9	V6664	
Benzene	20 ug/l	88.0/96.0	73.2-127	8.70	15.9	V6664	
Bromoform	20 ug/l	100/110	61.2-128	9.48	26.7	V6664	
Carbon tetrachloride	20 ug/l	95.5/102	70.1-128	6.58	20.8	V6664	
Chlorobenzene	20 ug/l	97.0/106	81.5-120	8.87	16.7	V6664	
Chlorodibromomethane	20 ug/l	94.5/102	68.4-126	8.12	18.4	V6664	
Chloroethane	20 ug/l	88.5/95.5	68.1-143	7.61	24.9	V6664	
Chloroform	20 ug/l	93.0/102	72.1-129	9.23	48.7	V6664	
Dichlorobromomethane	20 ug/l	89.0/96.0	74-122	7.57	19.2	V6664	
1,1-Dichloroethane	20 ug/l	86.5/95.5	71.4-135	9.89	20.5	V6664	
1,2-Dichloroethane	20 ug/l	81.0/90.5	76.7-129	11.1	20.4	V6664	
1,1-Dichloroethylene	20 ug/l	95.5/103	75.1-128	7.56	18.3	V6664	
trans-1,2-Dichloroethylene	20 ug/l	93.0/102	78.1-126	8.74	20	V6664	
1,2-Dichloropropane	20 ug/l	83.0/89.5	73.9-121	7.54	16.6	V6664	
cis-1,3-Dichloropropylene	17.57 ug/l	95.6/99.0	57.9-110	3.51	19.9	V6664	
trans-1,3-Dichloropropylene	20 ug/l	82.0/89.5	58.8-123	8.75	20.7	V6664	
Ethylbenzene	20 ug/l	89.5/97.5	77.7-122	8.56	17.3	V6664	
Methyl bromide(Bromomethane)	20 ug/l	96.0/101	46.3-137	5.08	24.8	V6664	
Methyl chloride(Chloromethane)	20 ug/l	87.5/95.5	52.9-149	8.74	28	V6664	
Methylene chloride	20 ug/l	94.5/103	74.8-127	8.61	19.8	V6664	
1,1,2,2-Tetrachloroethane	20 ug/l	91.0/104	71.5-128	12.9	27.5	V6664	
Tetrachloroethylene	20 ug/l	90.5/100	73.5-125	10.5	16.6	V6664	
Toluene	20 ug/l	90.5/98.5	76.6-126	8.47	17.2	V6664	
1,1,1-Trichloroethane	20 ug/l	87.5/96.5	71.3-124	9.78	16.8	V6664	
1,1,2-Trichloroethane	20 ug/l	91.0/101	77.3-121	10.4	20.5	V6664	
Trichloroethylene	20 ug/l	90.0/99.5	79.3-122	10.0	16.1	V6664	
Vinyl chloride	20 ug/l	86.5/94.5	56.7-147	8.84	23.3	V6664	
Surrogate Recovery							
Bromofluorobenzene	50 ug/l	101/101	89.8-109	-		V6664	

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Amount	% Recovery	% Recovery Limits	RPD	RPD Limit	Batch	Qualifier
Volatile Organic Compounds (Continued)							
Surrogate Recovery							
Dibromofluoromethane	50 ug/l	101/101	88.2-108	-		V6664	
Toluene-D8	50 ug/l	94.6/94.4	90.9-107	-		V6664	

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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
Acenaphthene		< 1.9	ug/l	1.9	5	B5111-1	
Acenaphthylene		< 3.5	ug/l	3.5	5	B5111-1	
Anthracene		< 1.9	ug/l	1.9	5	B5111-1	
Benzidine		< 44	ug/l	44	50	B5111-1	
Benzo(a)anthracene		< 5	ug/l	5	5	B5111-1	
Benzo(a)pyrene		< 2.5	ug/l	2.5	5	B5111-1	
Benzo(g,h,i)perylene		< 4.1	ug/l	4.1	5	B5111-1	
Benzo(k)fluoranthene		< 2.5	ug/l	2.5	5	B5111-1	
3,4-Benzofluoranthene		< 4.8	ug/l	4.8	5	B5111-1	
Bis(2-chloroethoxy)methane		< 5.3	ug/l	5.3	5	B5111-1	
Bis(2-chloroethyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-chloroisopropyl)ether		< 5.7	ug/l	5.7	5	B5111-1	
Bis(2-ethylhexyl)phthalate		< 2.5	ug/l	2.5	5	B5111-1	
4-Bromophenyl phenyl ether		< 1.9	ug/l	1.9	5	B5111-1	
Butylbenzyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
2-Chloronaphthalene		< 1.9	ug/l	1.9	5	B5111-1	
2-Chlorophenol		< 3.3	ug/l	3.3	5	B5111-1	
4-Chlorophenyl phenyl ether		< 4.2	ug/l	4.2	5	B5111-1	
Chrysene		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-butyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Di-n-octyl phthalate		< 2.5	ug/l	2.5	5	B5111-1	
Dibenzo(a,h)anthracene		< 2.5	ug/l	2.5	5	B5111-1	
1,2-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,3-Dichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
1,4-Dichlorobenzene		< 4.4	ug/l	4.4	5	B5111-1	
3,3'-Dichlorobenzidine		< 5	ug/l	5	20	B5111-1	
2,4-Dichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Diethyl phthalate		< 1.9	ug/l	1.9	5	B5111-1	
Dimethyl phthalate		< 1.6	ug/l	1.6	5	B5111-1	
2,4-Dimethylphenol		< 2.7	ug/l	2.7	5	B5111-1	
4,6-Dinitro-o-cresol		< 24	ug/l	24	5	B5111-1	
2,4-Dinitrophenol		< 42	ug/l	42	5	B5111-1	
2,4-Dinitrotoluene		< 5.7	ug/l	5.7	5	B5111-1	
2,6-Dinitrotoluene		< 1.9	ug/l	1.9	5	B5111-1	
1,2-Diphenylhydrazine		< 11	ug/l	11	5	B5111-1	
Fluoranthene		< 2.2	ug/l	2.2	5	B5111-1	
Fluorene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
Hexachlorobutadiene		< 0.9	ug/l	0.9	5	B5111-1	
Hexachlorocyclopentadiene		< 0.78	ug/l	0.78	5	B5111-1	
Hexachloroethane		< 1.6	ug/l	1.6	5	B5111-1	
Indeno(1,2,3-cd)pyrene		< 3.7	ug/l	3.7	5	B5111-1	
Isophorone		< 2.2	ug/l	2.2	5	B5111-1	
n-Nitrosodi-n-propylamine		< 0.84	ug/l	0.84	5	B5111-1	
n-Nitrosodimethylamine		< 0.96	ug/l	0.96	5	B5111-1	
n-Nitrosodiphenylamine		< 1.9	ug/l	1.9	5	B5111-1	R
Naphthalene		< 1.6	ug/l	1.6	5	B5111-1	
Nitrobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2-Nitrophenol		< 3.6	ug/l	3.6	5	B5111-1	

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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Base/Neutral and Acid Compounds By EPA 625							
4-Nitrophenol		< 2.4	ug/l	2.4	5	B5111-1	
p-Chloro-m-cresol		< 3	ug/l	3	5	B5111-1	
Pentachlorophenol		< 1	ug/l	1	1	B5111-1	
Phenanthrene		< 5.4	ug/l	5.4	5	B5111-1	
Phenol		< 1.5	ug/l	1.5	5	B5111-1	
Pyrene		< 1.9	ug/l	1.9	5	B5111-1	
1,2,4-Trichlorobenzene		< 1.9	ug/l	1.9	5	B5111-1	
2,4,6-Trichlorophenol		< 2.7	ug/l	2.7	5	B5111-1	
Surrogate Recovery							
2-Fluorobiphenyl		80.6	%	-	-	B5111-1	
2-Fluorophenol		68.3	%	-	-	B5111-1	
Nitrobenzene-D5		82.5	%	-	-	B5111-1	
Phenol-D5		59.7	%	-	-	B5111-1	
Terphenyl-D14		89.7	%	-	-	B5111-1	
2,4,6-Tribromophenol		77.3	%	-	-	B5111-1	
Volatile Organic Compounds By EPA 624							
Acrolein		< 50	ug/l	50	50	V6664-1	
Acrylonitrile		< 20	ug/l	20	25	V6664-1	
Benzene		< 4.4	ug/l	4.4	5	V6664-1	
Bromoform		< 4.7	ug/l	4.7	5	V6664-1	
Carbon tetrachloride		< 2.8	ug/l	2.8	5	V6664-1	
Chlorobenzene		< 6	ug/l	6	6	V6664-1	
Chlorodibromomethane		< 3.1	ug/l	3.1	5	V6664-1	
Chloroethane		< 8.7	ug/l	8.7	8.7	V6664-1	
2-Chloroethylvinyl ether		< 5.1	ug/l	5.1	5.1	V6664-1	
Chloroform		< 1.6	ug/l	1.6	5	V6664-1	
Dichlorobromomethane		< 2.2	ug/l	2.2	5	V6664-1	
1,1-Dichloroethane		< 4.7	ug/l	4.7	5	V6664-1	
1,2-Dichloroethane		< 2.8	ug/l	2.8	5	V6664-1	
1,1-Dichloroethylene		< 2.8	ug/l	2.8	5	V6664-1	
trans-1,2-Dichloroethylene		< 1.6	ug/l	1.6	5	V6664-1	
1,2-Dichloropropane		< 6	ug/l	6	6	V6664-1	
cis-1,3-Dichloropropylene		< 5	ug/l	5	5	V6664-1	
trans-1,3-Dichloropropylene		< 1.3	ug/l	1.3	5	V6664-1	
Ethylbenzene		< 7.2	ug/l	7.2	7.2	V6664-1	
Methyl bromide(Bromomethane)		< 8.9	ug/l	8.9	8.9	V6664-1	
Methyl chloride(Chloromethane)		< 7.8	ug/l	7.8	7.8	V6664-1	
Methylene chloride		< 10	ug/l	10	10	V6664-1	
1,1,2,2-Tetrachloroethane		< 6.9	ug/l	6.9	6.9	V6664-1	
Tetrachloroethylene		< 4.1	ug/l	4.1	5	V6664-1	
Toluene		< 6	ug/l	6	6	V6664-1	
1,1,1-Trichloroethane		< 3.8	ug/l	3.8	5	V6664-1	
1,1,2-Trichloroethane		< 5	ug/l	5	5	V6664-1	
Trichloroethylene		< 1.9	ug/l	1.9	5	V6664-1	
Vinyl chloride		< 6.4	ug/l	6.4	6.4	V6664-1	
Surrogate Recovery							
Bromofluorobenzene		101	%	-	-	V6664-1	
Dibromofluoromethane		106	%	-	-	V6664-1	
Toluene-D8		98.4	%	-	-	V6664-1	

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LABORATORY BLANK RESULTS

Analyte	Method	Result	Units	RL	PQL	QC Sample	Qual
Organochlorine Pesticides and PCBs By EPA 608							
Aldrin		< 0.004	ug/l	0.004	0.02	G6932-1	
alpha-BHC		< 0.003	ug/l	0.003	0.02	G6932-1	
alpha-Endosulfan		< 0.014	ug/l	0.014	0.02	G6932-1	
beta-BHC		< 0.006	ug/l	0.006	0.02	G6932-1	
beta-Endosulfan		< 0.004	ug/l	0.004	0.02	G6932-1	
Chlordane		< 0.014	ug/l	0.014	0.02	G6932-1	
4,4'-DDD		< 0.011	ug/l	0.011	0.02	G6932-1	
4,4'-DDE		< 0.004	ug/l	0.004	0.02	G6932-1	
4,4'-DDT		< 0.012	ug/l	0.012	0.02	G6932-1	
delta-BHC		< 0.009	ug/l	0.009	0.02	G6932-1	
Dieldrin		< 0.002	ug/l	0.002	0.02	G6932-1	
Endosulfan sulfate		< 0.066	ug/l	0.066	0.066	G6932-1	
Endrin		< 0.006	ug/l	0.006	0.02	G6932-1	
Endrin aldehyde		< 0.023	ug/l	0.023	0.023	G6932-1	
gamma-BHC (Lindane)		< 0.004	ug/l	0.004	0.02	G6932-1	
Heptachlor		< 0.003	ug/l	0.003	0.02	G6932-1	
Heptachlor epoxide		< 0.083	ug/l	0.083	0.083	G6932-1	
PCB 1016		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1221		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1232		< 0.05	ug/l	0.05	0.05	G6932-1	
PCB 1242		< 0.06	ug/l	0.06	0.06	G6932-1	
PCB 1248		< 0.07	ug/l	0.07	0.07	G6932-1	
PCB 1254		< 0.2	ug/l	0.2	0.2	G6932-1	
PCB 1260		< 0.06	ug/l	0.06	0.06	G6932-1	
Toxaphene		< 0.24	ug/l	0.24	0.24	G6932-1	
Surrogate Recovery							
Decachlorobiphenyl		69.1	%	-	-	G6932-1	
Tetrachloro-m-xylene		89.5	%	-	-	G6932-1	

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QUALITY CONTROL PREPARATION REPORT

LABORATORY CONTROL SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1339 194		B5111-2	
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1421 194		B5111-3	
Volatile Organic Compounds		28MAY08 1127 167		V6664-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1914 117		G6932-2	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1928 117		G6932-3	

MATRIX SPIKE SAMPLES

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1503 194		B5111-4	
Volatile Organic Compounds		28MAY08 1509 167		V6664-4	
Volatile Organic Compounds		28MAY08 1554 167		V6664-5	

LABORATORY BLANKS

<u>Analyte</u>	<u>Date/Time Prepared By</u>	<u>Date/Time Analyzed By</u>	<u>Dilution</u>	<u>QC Sample</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds	27MAY08 1415 271	02JUN08 1257 194		B5111-1	R
Volatile Organic Compounds		28MAY08 1208 167		V6664-1	
Organochlorine Pesticides and PCBs	27MAY08 1101 271	29MAY08 1900 117		G6932-1	

119726

2008 SAMPLE CUSTODY REPORT

PBWWU LAB. TEL. (870) 535 0821

PBWWU LAB. FAX. NUMBER: (870) 535 0822

P.O. NUMBER:

12277

MONTH:

MAY

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③

SAMPLE ID	INF-C-0508-VOA-B	INF-C-SEMI-VOA-B	INF-C-SEMI-VOA-2-B
COMPANY IDENTIFICATION	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER	PINE BLUFF WASTEWATER
SAMPLING POINT	BUSH PUMP STATION	BUSH PUMP STATION	BUSH PUMP STATION
SAMPLE TYPE	GRAB	24 HRS TIME COMP	24 HRS TIME COMP
COLLECTION DAY	5/21/2008	5/21/2008	5/21/2008
COLLECTION TIME	1035 HRS	1035 HRS	1035 HRS
PARAMETER	VOA-METHOD 624	METHOD 625	METHOD 608
SAMPLE COLLECTOR	NMJ	NMJ	NMJ
PRESERVATION	1:1 HCL	NONE	NONE

ANALYSIS PERFORMED BY:	AMERICAN INTERPLEX CORPORATION
SAMPLE TRANSPORT BY:	<i>Leandra Naugle</i>
SAMPLE TRANSPORT DATE & TIME:	5-23-08 ; 1330 (hrs)

I Eugene Hepton, HAVE RECEIVED WASTEWATER SAMPLE(S) FROM PINE BLUFF WASTEWATER UTILITY AND DO HEREBY FIND THESE SAMPLE(S) TO BE ADEQUATE UPON RECEIPT AND THEREBY SUITABLE FOR LABORATORY ANALYSIS.

PLEASE INCLUDE A.P.O. NUMBER WITH THE PINE BLUFF WASTEWATER INVOICE

ALL RECORDS ARE TO BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS.

SEND INVOICE TO : DEBORAH BASS, CONTROLLER

SEND ANALYTICAL RESULTS TO : VINCENT MILES, LABORATORY SUPERVISOR

ADEQ

ARKANSAS
Department of Environmental Quality

Hand Delivered Mail Receipt

Date	3-25-09
Division	Water
Sender	Ken Johnson Pine Bluff WW Utility
Received By	Rufus Torrence NPDES/WATER