

## Gage, Hannah

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**From:** Gilliam, Allen  
**Sent:** Thursday, June 02, 2016 12:26 PM  
**To:** randel davis  
**Cc:** Gage, Hannah; batesville eugene townsley; batesville mike mcdaniel; Leamons, Bryan  
**Subject:** AR0020702\_Bad Boys ARP001027 outfalls 1 and 2 June 2016 semi annual Pretreatment reports\_20160601  
**Attachments:** DOC060116-06012016123335.pdf; Arkansas Testing Lab\_20160321\_170724.pdf; DOC060116-06012016123410.pdf; Arkansas Testing Lab\_20160408\_180925.pdf

Randel,

Bad Boy's June 2016 semi-annual Pretreatment reports (two outfalls) were electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the Metal Finishing Pretreatment standards in 40 CFR 433.17.

There is no further action deemed necessary at this time although you may want to contact Bryan Leamons (cc'd above) @ 501.683.5406 regarding a stormwater permit or a no exposure exemption.

Thank you for your timely report.

Sincerely,

Allen Gilliam  
ADEQ State Pretreatment Coordinator  
501.682.0625

Ec: Eugene Townsley, Batesville Water/Wastewater Superintendent  
Mike McDaniel, Batesville Pretreatment Coordinator

E/NPDES/NPDES/Pretreatment/Reports

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**From:** Randel Davis [<mailto:randel.davis@badboymowers.com>]  
**Sent:** Wednesday, June 01, 2016 1:17 PM  
**To:** Gilliam, Allen  
**Subject:** June Report

Thanks

Randel

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

<p>A. LEGAL NAME &amp; MAILING ADDRESS</p> <p>Bad Boy Inc. AR 102 Industrial Dr. 0020702 Batesville AR 72501 001#</p>	<p>B. FACILITY &amp; LOCATION ADDRESS</p> <p>Same as mailing address</p>
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C. FACILITY CONTACT: Randel Davis TELEPHONE NUMBER: 970 612 0350 e-mail: Randel.davis@badboy-movers.com

(2) REPORTING PERIOD--FISCAL YEAR From ??? to ??? (Both Semi-Annual Reports must cover Fiscal Year)

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p>June &amp; December</p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: December TO: June</p>
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(3) DESCRIPTION OF OPERATION

<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Electroplating</p> <p><input type="checkbox"/> Electroless Plating</p> <p><input type="checkbox"/> Anodizing</p> <p><input checked="" type="checkbox"/> Coating</p> <p><input type="checkbox"/> Chemical Etching and Milling</p> <p><input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p>Stages 2014 CNC Rinse</p> <p>Stages in a Five stage</p> <p>Cleaning Process</p>	<p>B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.</p> <p>N/A</p>
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\*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

<p>C. Number of Regular Employees at this Facility</p> <p>500</p>	<p>D. [Reserved]</p>
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**(4) FLOW MEASUREMENT**

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Cyanide)	8000	14000	
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	12000	17000	
<b>Total Flow to POTW</b>	<b>20000</b>	<b>31000</b>	*****

\*"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

**(5) MEASUREMENT OF POLLUTANTS**

**A. TYPE OF TREATMENT SYSTEM**

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other \_\_\_\_\_
- None

**B. COMMENTS ON TREATMENT SYSTEM**

Stages 1, 3, 5 Captured and Pick up by Wasted Services Inc.

**C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES-- CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.**

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	<0.02	<0.01	<0.05	<0.02	<0.01	0.012	<0.01	BDL
Ave Measured									

Sample Location Sump Pitt at End of Process

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected 1

40CFR136 Preservation and Analytical Methods Use:  Yes  No

**(6) CERTIFICATION**

A. [Reserved]

[Reserved]

B. CHECK ONE: **G ' 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED**    **G ' 433.12(a) TTO CERTIFICATION**

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

\_\_\_\_\_  
(Typed Name)

\_\_\_\_\_  
(Corporate Officer or authorized representative)

Date of Signature \_\_\_\_\_

**CORPORATE ACKNOWLEDGEMENT (Optional)**

STATE OF ARKANSAS            )  
COUNTY OF \_\_\_\_\_ )

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_ of \_\_\_\_\_, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_.

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County, Arkansas

My commission expires \_\_\_\_\_.

**(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]**

*'6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.--The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.*

The User may list any new or ongoing Pollution Prevention practices:

N/A

**(8) GENERAL COMMENTS**

**(9) SIGNATORY REQUIREMENTS [40CFR403.12(l)]**

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

Randel Davis  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Randel Davis  
SIGNATURE

Parrot supervisor  
OFFICIAL TITLE

6-1-16  
DATE SIGNED

# Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143 (501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring  
 Water and Wastewater Analysis  
 Concrete, Asphalt, and Aggregate Testing  
 Geotechnical Testing  
 Industrial and Construction Quality Control

## BAD BOY MOWERS

Collection Date / Time: March 2, 2016 10:15 AM  
 Collection Place: **Plant Effluent**  
 Collected By: BET / RANDEL DAVIS

## Wastewater Analysis

Parameter	Date / Time Begin	Date / Time End	Results	Unit	Ldg (lbs/dy)	Analyst	% Spike	Rel %	Sample Type	Ref #
Cadmium	03/21 11:38 AM	NA	< 0.004	mg/l	NA	KLB	89.8	0.00	GRAB	1
Chromium	03/21 11:38 AM	NA	< 0.02	mg/l	NA	KLB	89.8	0.00	GRAB	1
Copper	03/21 11:38 AM	NA	< 0.01	mg/l	NA	KLB	82.5	0.00	GRAB	1
Lead	03/21 11:38 AM	NA	< 0.05	mg/l	NA	KLB	82.0	0.00	GRAB	1
Nickel	03/21 11:38 AM	NA	< 0.02	mg/l	NA	KLB	88.5	0.00	GRAB	1
Silver	03/21 11:38 AM	NA	< 0.01	mg/l	NA	KLB	87.4	0.00	GRAB	1
Zinc	03/21 11:38 AM	NA	0.012	mg/l	NA	KLB	92.2	8.70	GRAB	1
Total Toxic Organics	03/07 11:08 AM	03/10 12:01 AM		ug/l	NA	AI301			CALC	2
American Interplex			<i>see Inv #199891 attached</i>							
pH	03/02 10:16 AM	NA	7.21	S.U.	NA	BET	NA	0.00	GRAB	3
Cyanide, Total	03/10 10:00 AM	NA	< 0.01	mg/l	NA	KLB	103.0	0.00	GRAB	4

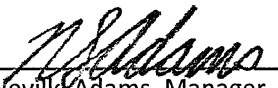
**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

**Notes:** Samples iced at collection. Preserved with H<sub>2</sub>SO<sub>4</sub> to pH<sub>2</sub>; Oil & Grease, Ammonia, COD

### References:

*Analysis complies with 40 CFR Part 136:*

1. SM 3111B-1999
2. See attached American Interplex Report 199891
3. SM 4500 HB-2000
4. SM 4500-CN-E-1999

  
 Neville Adams, Manager

Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**SAMPLE INFORMATION**

**Project Description:**

One (1) water sample(s) received on March 3, 2016  
2446  
P.O. No. 2446

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.

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

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
199891-1	Sample 2	02-Mar-2016 1015	

**Qualifiers:**

- 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", (SM).

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

"Association of Analytical Chemists" (AOAC).

Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 199891-1

Sample Identification: Sample 2 02-Mar-2016 1015

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625</b>				
<b>Acenaphthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Acenaphthylene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Benzidine</b> EPA 625	< 25	25	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Benzo(a)anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Benzo(a)pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Benzo(g,h,i)perylene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Benzo(k)fluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>3,4-Benzofluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Bis(2-chloroethoxy)methane</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Bis(2-chloroethyl)ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Bis(2-chloroisopropyl)ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Bis(2-ethylhexyl)phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>4-Bromophenyl phenyl ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Butylbenzyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>2-Chloronaphthalene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>2-Chlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>4-Chlorophenyl phenyl ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Chrysene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Di-n-butyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	



Arkansas Testing Laboratories  
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 Searcy, AR 72143

**ANALYTICAL RESULTS**
**AIC No. 199891-1 (Continued)**
**Sample Identification: Sample 2 02-Mar-2016 1015**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>Di-n-octyl phthalate</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Dibenz(a,h)anthracene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>3,3'-Dichlorobenzidine</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>2,4-Dichlorophenol</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Diethyl phthalate</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Dimethyl phthalate</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>2,4-Dimethylphenol</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>4,6-Dinitro-o-cresol</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>2,4-Dinitrophenol</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>2,4-Dinitrotoluene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>2,6-Dinitrotoluene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>1,2-Diphenylhydrazine</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Fluoranthene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Fluorene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Hexachlorobenzene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Hexachlorobutadiene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Hexachlorocyclopentadiene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Hexachloroethane</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Indeno(1,2,3-cd)pyrene</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	
<b>Isophorone</b> EPA 625	<b>&lt; 5.0</b> Prep: 07-Mar-2016 1108 by 301 Analyzed: 10-Mar-2016 0001 by 306	<b>5.0</b>	<b>ug/l</b> Batch: B9920	

Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 199891-1 (Continued)

Sample Identification: Sample 2 02-Mar-2016 1015

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>n-Nitrosodi-n-propylamine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>n-Nitrosodimethylamine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>n-Nitrosodiphenylamine</b> EPA 625	< 5.0	5.0	ug/l	R
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Naphthalene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Nitrobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>2-Nitrophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>4-Nitrophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>p-Chloro-m-cresol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Pentachlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Phenanthrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Phenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>1,2,4-Trichlorobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>2,4,6-Trichlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	77.5		%	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	58.7		%	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	76.2		%	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	77.1		%	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	73.2		%	
Prep: 07-Mar-2016 1108 by 301	Analyzed: 10-Mar-2016 0001 by 306		Batch: B9920	
<b>Volatile Organic Compounds By EPA 624</b>				
<b>Acrolein</b> EPA 624	< 25	25	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	

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**ANALYTICAL RESULTS**
**AIC No. 199891-1 (Continued)**
**Sample Identification: Sample 2 02-Mar-2016 1015**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
<b>Acrylonitrile</b> EPA 624	< 25	25	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Benzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Bromoform</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Carbon tetrachloride</b> EPA 624	< 2.0	2.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Chlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Chlorodibromomethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Chloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>2-Chloroethyl vinyl ether</b> EPA 624	< 10	10	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Chloroform</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,2-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,3-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,4-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Dichlorobromomethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,1-Dichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,2-Dichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,1-Dichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>trans-1,2-Dichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,2-Dichloropropane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>cis-1,3-Dichloropropylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>trans-1,3-Dichloropropylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	

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**ANALYTICAL RESULTS**

AIC No. 199891-1 (Continued)

Sample Identification: Sample 2 02-Mar-2016 1015

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
<b>Ethylbenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Methyl bromide(Bromomethane)</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Methyl chloride(Chloromethane)</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Methylene chloride</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,1,2,2-Tetrachloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Tetrachloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Toluene</b> EPA 624	16	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,1,1-Trichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>1,1,2-Trichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Trichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Vinyl chloride</b> EPA 624	< 2.0	2.0	ug/l	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Surrogate: 4-Bromofluorobenzene (75.0-120%)</b> EPA 624	109		%	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Surrogate: Dibromofluoromethane (85.0-115%)</b> EPA 624	95.9		%	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	
<b>Surrogate: Toluene-D8 (85.0-120%)</b> EPA 624	95.8		%	
Prep: 04-Mar-2016 0923 by 301	Analyzed: 05-Mar-2016 0230 by 301		Batch: V8934	

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**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds</b>								
TCLP: 1,1,2,2-Tetrachloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,1,1-Trichloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,1,2-Trichloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,2-Dichlorobenzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,3-Dichlorobenzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,4-Dichlorobenzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,1-Dichloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,2-Dichloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,1-Dichloroethylene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 1,2-Dichloropropane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 2-Chloroethyl vinyl ether	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Acrolein	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Acrylonitrile	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Benzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Bromodichloromethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Bromoform	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Bromomethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Carbon tetrachloride	199843-1	< 0.20 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.20 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Chlorobenzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Chloroethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Chloroform	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Chloromethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: cis-1,3-Dichloropropene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D

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DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
TCLP: Dibromochloromethane	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Ethylbenzene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Methylene chloride	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Tetrachloroethylene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Toluene	199843-1	2.8 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	3.0 mg/l	7.03	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: trans-1,2-Dichloroethene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: trans-1,3-Dichloropropene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Trichloroethylene	199843-1	< 0.50 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.50 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Vinyl chloride	199843-1	< 0.20 mg/l			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	< 0.20 mg/l	0.00	30.0	04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: 4-Bromofluorobenzene (75.0-120%)	199843-1	118 %			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	107 %			04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Dibromofluoromethane (85.0-115%)	199843-1	100 %			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	85.4 %			04Mar16 0923 by 301	04Mar16 2313 by 301	100	D
TCLP: Toluene-D8 (85.0-120%)	199843-1	108 %			04Mar16 0922 by 301	04Mar16 2232 by 301	100	D
Batch: V8934	Duplicate	98.9 %			04Mar16 0923 by 301	04Mar16 2313 by 301	100	D

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds</b>										
Acenaphthene	40 ug/l	85.1	45.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Acenaphthylene	40 ug/l	86.4	50.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Anthracene	40 ug/l	82.6	55.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Benzidine	100 ug/l	2.15	0.00-55.4			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Benzo(a)anthracene	40 ug/l	85.8	55.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Benzo(a)pyrene	40 ug/l	72.5	55.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Benzo(g,h,i)perylene	40 ug/l	71.1	40.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Benzo(k)fluoranthene	40 ug/l	71.3	45.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
3,4-Benzofluoranthene	40 ug/l	74.9	45.0-120			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Bis(2-chloroethoxy)methane	40 ug/l	74.3	45.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Bis(2-chloroethyl)ether	40 ug/l	73.0	35.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Bis(2-chloroisopropyl)ether	40 ug/l	78.4	25.0-130			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Bis(2-ethylhexyl)phthalate	40 ug/l	92.6	40.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
4-Bromophenyl phenyl ether	40 ug/l	78.5	50.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Butylbenzyl phthalate	40 ug/l	87.4	45.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2-Chloronaphthalene	40 ug/l	86.3	50.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2-Chlorophenol	40 ug/l	74.1	35.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
4-Chlorophenyl phenyl ether	40 ug/l	82.7	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Chrysene	40 ug/l	86.0	55.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Di-n-butyl phthalate	40 ug/l	88.0	55.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Di-n-octyl phthalate	40 ug/l	62.7	35.0-135			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Dibenz(a,h)anthracene	40 ug/l	70.0	40.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
1,2-Dichlorobenzene	40 ug/l	73.0	35.0-100			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
1,3-Dichlorobenzene	40 ug/l	71.9	30.0-100			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
1,4-Dichlorobenzene	40 ug/l	72.4	30.0-100			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
3,3'-Dichlorobenzidine	40 ug/l	107	20.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4-Dichlorophenol	40 ug/l	71.9	50.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Diethyl phthalate	40 ug/l	88.0	40.0-120			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Dimethyl phthalate	40 ug/l	89.0	25.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4-Dimethylphenol	40 ug/l	45.4	30.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
4,6-Dinitro-o-cresol	40 ug/l	80.6	40.0-130			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4-Dinitrophenol	40 ug/l	75.6	15.0-140			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4-Dinitrotoluene	40 ug/l	85.8	50.0-120			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,6-Dinitrotoluene	40 ug/l	81.8	50.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
1,2-Diphenylhydrazine	40 ug/l	78.2	55.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Fluoranthene	40 ug/l	89.8	55.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Fluorene	40 ug/l	87.6	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Hexachlorobenzene	40 ug/l	78.5	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Hexachlorobutadiene	40 ug/l	67.3	25.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Hexachlorocyclopentadiene	40 ug/l	79.6	38.6-98.6			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Hexachloroethane	40 ug/l	68.8	30.0-100			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Indeno(1,2,3-cd)pyrene	40 ug/l	70.6	45.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Isophorone	40 ug/l	73.8	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
n-Nitrosodi-n-propylamine	40 ug/l	79.4	35.0-130			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
n-Nitrosodimethylamine	40 ug/l	61.8	25.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
n-Nitrosodiphenylamine	40 ug/l	83.2	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Naphthalene	40 ug/l	76.0	40.0-100			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Nitrobenzene	40 ug/l	76.1	45.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2-Nitrophenol	40 ug/l	74.6	40.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
4-Nitrophenol	40 ug/l	57.2	0.00-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
p-Chloro-m-cresol	40 ug/l	70.1	45.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Pentachlorophenol	40 ug/l	69.4	40.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Phenanthrene	40 ug/l	85.6	50.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Phenol	40 ug/l	48.8	0.00-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Pyrene	40 ug/l	89.4	50.0-130			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
1,2,4-Trichlorobenzene	40 ug/l	70.1	35.0-105			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4,6-Trichlorophenol	40 ug/l	80.6	50.0-115			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
<b>Base/Neutral and Acid Compounds Surrogates:</b>										
2-Fluorobiphenyl	40 ug/l	106	50.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2-Fluorophenol	40 ug/l	75.2	20.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Nitrobenzene-D5	40 ug/l	92.3	40.0-110			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
Terphenyl-D14	40 ug/l	109	50.0-135			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
2,4,6-Tribromophenol	40 ug/l	94.3	40.0-125			B9920	07Mar16 1107 by 301	09Mar16 1955 by 306		
<b>Volatile Organic Compounds</b>										
Acrolein	100 ug/l	88.6	65.5-128			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Acrylonitrile	100 ug/l	90.4	85.0-129			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Benzene	20 ug/l	94.0	80.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Bromodichloromethane	20 ug/l	117	75.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Bromoform	20 ug/l	103	70.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Bromomethane	20 ug/l	84.8	30.0-145			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Carbon tetrachloride	20 ug/l	110	65.0-140			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Chlorobenzene	20 ug/l	96.2	80.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Chloroethane	20 ug/l	81.2	60.0-135			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
2-Chloroethyl vinyl ether	40 ug/l	91.6	63.3-124			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Chloroform	20 ug/l	90.2	65.0-135			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Chloromethane	20 ug/l	96.9	40.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Dibromochloromethane	20 ug/l	107	60.0-135			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,2-Dichlorobenzene	20 ug/l	96.0	70.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,3-Dichlorobenzene	20 ug/l	85.6	75.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		



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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>										
1,4-Dichlorobenzene	20 ug/l	88.6	75.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,1-Dichloroethane	20 ug/l	94.2	70.0-135			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,2-Dichloroethane	20 ug/l	120	70.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,1-Dichloroethene	20 ug/l	112	70.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
trans-1,2-Dichloroethene	20 ug/l	95.6	60.0-140			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,2-Dichloropropane	20 ug/l	96.6	75.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
cis-1,3-Dichloropropene	20 ug/l	98.2	70.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
trans-1,3-Dichloropropene	20 ug/l	108	55.0-140			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Ethylbenzene	20 ug/l	103	75.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Methylene chloride	20 ug/l	84.4	55.0-140			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,1,2,2-Tetrachloroethane	20 ug/l	111	65.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Tetrachloroethene	20 ug/l	80.3	45.0-150			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Toluene	20 ug/l	96.4	75.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,1,1-Trichloroethane	20 ug/l	85.2	65.0-130			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
1,1,2-Trichloroethane	20 ug/l	94.8	75.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Trichloroethene	20 ug/l	103	70.0-125			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Vinyl chloride	20 ug/l	82.2	50.0-145			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
<b>Volatile Organic Compounds Surrogates:</b>										
4-Bromofluorobenzene	50 ug/l	115	75.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Dibromofluoromethane	50 ug/l	89.7	85.0-115			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		
Toluene-D8	50 ug/l	109	85.0-120			V8934	04Mar16 0923 by 301	04Mar16 1942 by 301		

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds</b>									
Acenaphthene	199884-1	40 ug/l	84.3	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	93.5	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.3	30.0	B9920				
Acenaphthylene	199884-1	40 ug/l	83.4	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	96.9	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		15.0	30.0	B9920				
Anthracene	199884-1	40 ug/l	86.4	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	90.4	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		4.47	30.0	B9920				
Benzidine	199884-1	100 ug/l	10.0	0.00-56.2	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	100 ug/l	20.4	0.00-56.2	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		68.3	91.2	B9920				
Benzo(a)anthracene	199884-1	40 ug/l	87.8	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	92.8	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		5.54	30.0	B9920				
Benzo(a)pyrene	199884-1	40 ug/l	75.3	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	81.6	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		8.09	30.0	B9920				
Benzo(g,h,i)perylene	199884-1	40 ug/l	75.7	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	68.5	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		9.99	30.0	B9920				
Benzo(k)fluoranthene	199884-1	40 ug/l	79.1	45.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	87.8	45.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.4	30.0	B9920				
3,4-Benzofluoranthene	199884-1	40 ug/l	79.2	45.0-120	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	87.7	45.0-120	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.3	30.0	B9920				
Bis(2-chloroethoxy)methane	199884-1	40 ug/l	75.7	45.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	81.2	45.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.98	30.0	B9920				
Bis(2-chloroethyl)ether	199884-1	40 ug/l	72.8	35.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	79.7	35.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		9.15	30.0	B9920				
Bis(2-chloroisopropyl)ether	199884-1	40 ug/l	79.0	25.0-130	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	84.4	25.0-130	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.58	30.0	B9920				
Bis(2-ethylhexyl)phthalate	199884-1	40 ug/l	103	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	102	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		0.562	30.0	B9920				
4-Bromophenyl phenyl ether	199884-1	40 ug/l	84.3	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	89.6	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.07	30.0	B9920				
Butylbenzyl phthalate	199884-1	40 ug/l	94.0	45.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	94.8	45.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		0.847	30.0	B9920				
2-Chloronaphthalene	199884-1	40 ug/l	84.6	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	94.1	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.6	30.0	B9920				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chlorophenol	199884-1	40 ug/l	75.6	35.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	81.6	35.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.60	30.0	B9920				
4-Chlorophenyl phenyl ether	199884-1	40 ug/l	84.8	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	90.9	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.98	30.0	B9920				
Chrysene	199884-1	40 ug/l	90.9	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	96.4	55.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		5.79	30.0	B9920				
Di-n-butyl phthalate	199884-1	40 ug/l	93.0	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	94.8	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.81	30.0	B9920				
Di-n-octyl phthalate	199884-1	40 ug/l	78.4	35.0-135	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	85.4	35.0-135	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		8.58	30.0	B9920				
Dibenz(a,h)anthracene	199884-1	40 ug/l	72.6	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	67.4	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.32	30.0	B9920				
1,2-Dichlorobenzene	199884-1	40 ug/l	75.0	35.0-100	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	80.4	35.0-100	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.05	30.0	B9920				
1,3-Dichlorobenzene	199884-1	40 ug/l	72.4	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	78.9	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		8.63	30.0	B9920				
1,4-Dichlorobenzene	199884-1	40 ug/l	73.3	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	78.3	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.56	30.0	B9920				
3,3'-Dichlorobenzidine	199884-1	40 ug/l	109	20.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	105	20.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		3.30	30.0	B9920				
2,4-Dichlorophenol	199884-1	40 ug/l	78.5	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	81.4	50.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		3.60	30.0	B9920				
Diethyl phthalate	199884-1	40 ug/l	90.2	40.0-120	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	95.2	40.0-120	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		5.42	30.0	B9920				
Dimethyl phthalate	199884-1	40 ug/l	88.8	25.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	95.3	25.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.09	30.0	B9920				
2,4-Dimethylphenol	199884-1	40 ug/l	57.8	30.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	64.2	30.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.5	30.0	B9920				
4,6-Dinitro-o-cresol	199884-1	40 ug/l	89.8	40.0-130	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	91.8	40.0-130	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		2.15	30.0	B9920				
2,4-Dinitrophenol	199884-1	40 ug/l	90.6	15.0-140	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	89.2	15.0-140	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.56	30.0	B9920				
2,4-Dinitrotoluene	199884-1	40 ug/l	88.2	50.0-120	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	91.7	50.0-120	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		3.86	30.0	B9920				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
2,6-Dinitrotoluene	199884-1	40 ug/l	85.8	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	91.2	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.02	30.0	B9920				
1,2-Diphenylhydrazine	199884-1	40 ug/l	82.1	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	89.9	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		9.07	30.0	B9920				
Fluoranthene	199884-1	40 ug/l	92.7	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	94.2	55.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.63	30.0	B9920				
Fluorene	199884-1	40 ug/l	89.4	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	96.5	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.67	30.0	B9920				
Hexachlorobenzene	199884-1	40 ug/l	82.8	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	88.5	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.57	30.0	B9920				
Hexachlorobutadiene	199884-1	40 ug/l	68.2	25.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	73.3	25.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.10	30.0	B9920				
Hexachlorocyclopentadiene	199884-1	40 ug/l	77.0	48.3-87.3	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	85.7	48.3-87.3	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.6	30.0	B9920				
Hexachloroethane	199884-1	40 ug/l	69.8	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	75.0	30.0-100	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.22	30.0	B9920				
Indeno(1,2,3-cd)pyrene	199884-1	40 ug/l	72.5	45.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	66.5	45.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		8.67	30.0	B9920				
Isophorone	199884-1	40 ug/l	75.6	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	80.8	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.65	30.0	B9920				
n-Nitrosodi-n-propylamine	199884-1	40 ug/l	79.1	35.0-130	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	87.2	35.0-130	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		9.74	30.0	B9920				
n-Nitrosodimethylamine	199884-1	40 ug/l	61.9	25.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	71.5	25.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		14.4	30.0	B9920				
n-Nitrosodiphenylamine	199884-1	40 ug/l	87.5	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	93.1	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.26	30.0	B9920				
Naphthalene	199884-1	40 ug/l	79.8	40.0-100	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	85.7	40.0-100	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		7.16	30.0	B9920				
Nitrobenzene	199884-1	40 ug/l	77.4	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	82.2	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		5.95	30.0	B9920				
2-Nitrophenol	199884-1	40 ug/l	80.1	40.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	84.0	40.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		4.81	30.0	B9920				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
4-Nitrophenol	199884-1	40 ug/l	58.1	0.00-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	57.1	0.00-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.69	30.0	B9920				
p-Chloro-m-cresol	199884-1	40 ug/l	79.0	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	80.1	45.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.38	30.0	B9920				
Pentachlorophenol	199884-1	40 ug/l	80.6	40.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	79.5	40.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.40	30.0	B9920				
Phenanthrene	199884-1	40 ug/l	86.2	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	92.2	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.67	30.0	B9920				
Phenol	199884-1	40 ug/l	49.0	0.00-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	52.4	0.00-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		6.71	30.0	B9920				
Pyrene	199884-1	40 ug/l	87.1	50.0-130	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	88.4	50.0-130	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		1.57	30.0	B9920				
1,2,4-Trichlorobenzene	199884-1	40 ug/l	72.3	35.0-105	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	76.3	35.0-105	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		5.42	30.0	B9920				
2,4,6-Trichlorophenol	199884-1	40 ug/l	86.0	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306	10	D
	199884-1	40 ug/l	95.5	50.0-115	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306	10	D
	Relative Percent Difference:		10.4	30.0	B9920				
<b>Base/Neutral and Acid Compounds Surrogates:</b>									
2-Fluorobiphenyl	199884-1	40 ug/l	91.8	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306		
	199884-1	40 ug/l	102	50.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306		
2-Fluorophenol	199884-1	40 ug/l	66.8	20.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306		
	199884-1	40 ug/l	72.5	20.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306		
Nitrobenzene-D5	199884-1	40 ug/l	83.4	40.0-110	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306		
	199884-1	40 ug/l	87.4	40.0-110	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306		
Terphenyl-D14	199884-1	40 ug/l	96.6	50.0-135	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306		
	199884-1	40 ug/l	95.2	50.0-135	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306		
2,4,6-Tribromophenol	199884-1	40 ug/l	95.4	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2035 by 306		
	199884-1	40 ug/l	95.8	40.0-125	B9920	07Mar16 1107 by 301	09Mar16 2116 by 306		
<b>Volatile Organic Compounds</b>									
Acrolein	199843-1	100 ug/l	88.6	33.0-144	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Acrylonitrile	199843-1	100 ug/l	76.4	51.1-132	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Benzene	199843-1	20 ug/l	90.7	80.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Bromodichloromethane	199843-1	20 ug/l	102	75.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Bromoform	199843-1	20 ug/l	130	70.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Bromomethane	199843-1	20 ug/l	104	30.0-145	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Carbon tetrachloride	199843-1	20 ug/l	116	65.0-140	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Chlorobenzene	199843-1	20 ug/l	103	80.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Chloroethane	199843-1	20 ug/l	92.7	60.0-135	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
2-Chloroethyl vinyl ether	199843-1	40 ug/l	85.1	45.9-137	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Chloroform	199843-1	20 ug/l	81.0	65.0-135	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>									
Chloromethane	199843-1	20 ug/l	86.0	40.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Dibromochloromethane	199843-1	20 ug/l	118	60.0-135	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,2-Dichlorobenzene	199843-1	20 ug/l	92.4	70.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,3-Dichlorobenzene	199843-1	20 ug/l	96.7	75.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,4-Dichlorobenzene	199843-1	20 ug/l	90.2	75.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,1-Dichloroethane	199843-1	20 ug/l	87.1	70.0-135	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,2-Dichloroethane	199843-1	20 ug/l	126	70.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,1-Dichloroethene	199843-1	20 ug/l	96.7	70.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
trans-1,2-Dichloroethene	199843-1	20 ug/l	106	60.0-140	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,2-Dichloropropane	199843-1	20 ug/l	106	75.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
cis-1,3-Dichloropropene	199843-1	20 ug/l	96.5	70.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
trans-1,3-Dichloropropene	199843-1	20 ug/l	119	55.0-140	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Ethylbenzene	199843-1	20 ug/l	108	75.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Methylene chloride	199843-1	20 ug/l	94.0	55.0-140	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,1,2,2-Tetrachloroethane	199843-1	20 ug/l	118	65.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Tetrachloroethene	199843-1	20 ug/l	99.2	45.0-150	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Toluene	199843-1	20 ug/l	77.8	75.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,1,1-Trichloroethane	199843-1	20 ug/l	91.0	65.0-130	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
1,1,2-Trichloroethane	199843-1	20 ug/l	100	75.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Trichloroethene	199843-1	20 ug/l	106	70.0-125	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Vinyl chloride	199843-1	20 ug/l	103	50.0-145	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
<b>Volatile Organic Compounds Surrogates:</b>									
4-Bromofluorobenzene	199843-1	50 ug/l	114	75.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Dibromofluoromethane	199843-1	50 ug/l	98.7	85.0-115	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D
Toluene-D8	199843-1	50 ug/l	112	85.0-120	V8934	04Mar16 0923 by 301	04Mar16 2025 by 301	100	D

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Acenaphthene	< 0.54 ug/l	0.54	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Acenaphthylene	< 0.54 ug/l	0.54	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Anthracene	< 0.73 ug/l	0.73	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Benzidine	< 19 ug/l	19	25	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Benzo(a)anthracene	< 0.79 ug/l	0.79	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Benzo(a)pyrene	< 0.82 ug/l	0.82	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Benzo(g,h,i)perylene	< 1.3 ug/l	1.3	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Benzo(k)fluoranthene	< 0.89 ug/l	0.89	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
3,4-Benzofluoranthene	< 0.98 ug/l	0.98	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Bis(2-chloroethoxy)methane	< 2.3 ug/l	2.3	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Bis(2-chloroethyl)ether	< 0.87 ug/l	0.87	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Bis(2-chloroisopropyl)ether	< 0.97 ug/l	0.97	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Bis(2-ethylhexyl)phthalate	< 2.7 ug/l	2.7	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
4-Bromophenyl phenyl ether	< 0.56 ug/l	0.56	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Butylbenzyl phthalate	< 1.3 ug/l	1.3	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2-Chloronaphthalene	< 0.63 ug/l	0.63	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2-Chlorophenol	< 0.64 ug/l	0.64	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
4-Chlorophenyl phenyl ether	< 2.1 ug/l	2.1	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Chrysene	< 0.66 ug/l	0.66	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Di-n-butyl phthalate	< 1.8 ug/l	1.8	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Di-n-octyl phthalate	< 1.9 ug/l	1.9	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Dibenz(a,h)anthracene	< 1.6 ug/l	1.6	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
3,3'-Dichlorobenzidine	< 3.0 ug/l	3.0	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4-Dichlorophenol	< 1.7 ug/l	1.7	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Diethyl phthalate	< 1.5 ug/l	1.5	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Dimethyl phthalate	< 0.58 ug/l	0.58	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4-Dimethylphenol	< 2.8 ug/l	2.8	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
4,6-Dinitro-o-cresol	< 1.4 ug/l	1.4	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4-Dinitrophenol	< 4.5 ug/l	4.5	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4-Dinitrotoluene	< 0.54 ug/l	0.54	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,6-Dinitrotoluene	< 0.46 ug/l	0.46	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
1,2-Diphenylhydrazine	< 0.76 ug/l	0.76	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Fluoranthene	< 1.4 ug/l	1.4	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Fluorene	< 0.57 ug/l	0.57	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Hexachlorobenzene	< 2.1 ug/l	2.1	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Hexachlorobutadiene	< 2.5 ug/l	2.5	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Hexachlorocyclopentadiene	< 2.5 ug/l	2.5	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Hexachloroethane	< 1.1 ug/l	1.1	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Indeno(1,2,3-cd)pyrene	< 2.4 ug/l	2.4	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Isophorone	< 2.3 ug/l	2.3	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
n-Nitrosodi-n-propylamine	< 0.81 ug/l	0.81	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
n-Nitrosodimethylamine	< 4.1 ug/l	4.1	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
n-Nitrosodiphenylamine	< 1.5 ug/l	1.5	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Naphthalene	< 0.73 ug/l	0.73	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Nitrobenzene	< 1.8 ug/l	1.8	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2-Nitrophenol	< 2.0 ug/l	2.0	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
4-Nitrophenol	< 0.69 ug/l	0.69	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
p-Chloro-m-cresol	< 0.63 ug/l	0.63	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Pentachlorophenol	< 0.75 ug/l	0.75	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	

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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Phenanthrene	< 1.2 ug/l	1.2	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Phenol	< 1.2 ug/l	1.2	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Pyrene	< 1.4 ug/l	1.4	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
1,2,4-Trichlorobenzene	< 0.94 ug/l	0.94	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4,6-Trichlorophenol	< 0.76 ug/l	0.76	5.0	B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
<b>Base/Neutral and Acid Compounds Surrogates:</b>							
2-Fluorobiphenyl (50.0-110%)	103 %			B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2-Fluorophenol (20.0-110%)	68.9 %			B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Nitrobenzene-D5 (40.0-110%)	91.6 %			B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
Terphenyl-D14 (50.0-135%)	107 %			B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
2,4,6-Tribromophenol (40.0-125%)	75.4 %			B9920-1	07Mar16 1107 by 301	09Mar16 1914 by 306	
<b>Volatile Organic Compounds</b>							
Acrolein	< 2.0 ug/l	2.0	25	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Acrylonitrile	< 0.49 ug/l	0.49	25	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Benzene	< 0.054 ug/l	0.054	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Bromoform	< 0.11 ug/l	0.11	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Carbon tetrachloride	< 0.27 ug/l	0.27	2.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Chlorobenzene	< 0.087 ug/l	0.087	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Chlorodibromomethane	< 0.12 ug/l	0.12	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Chloroethane	< 0.22 ug/l	0.22	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
2-Chloroethyl vinyl ether	< 0.21 ug/l	0.21	10	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Chloroform	< 0.082 ug/l	0.082	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,2-Dichlorobenzene	< 0.093 ug/l	0.093	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,3-Dichlorobenzene	< 0.081 ug/l	0.081	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,4-Dichlorobenzene	< 0.12 ug/l	0.12	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Dichlorobromomethane	< 0.12 ug/l	0.12	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,1-Dichloroethane	< 0.076 ug/l	0.076	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,2-Dichloroethane	< 0.086 ug/l	0.086	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,1-Dichloroethylene	< 0.21 ug/l	0.21	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
trans-1,2-Dichloroethylene	< 0.17 ug/l	0.17	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,2-Dichloropropane	< 0.15 ug/l	0.15	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
cis-1,3-Dichloropropylene	< 0.15 ug/l	0.15	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
trans-1,3-Dichloropropylene	< 0.27 ug/l	0.27	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Ethylbenzene	< 0.057 ug/l	0.057	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Methyl bromide(Bromomethane)	< 0.11 ug/l	0.11	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Methyl chloride(Chloromethane)	< 0.38 ug/l	0.38	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Methylene chloride	< 0.26 ug/l	0.26	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,1,2,2-Tetrachloroethane	< 0.088 ug/l	0.088	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Tetrachloroethylene	< 0.15 ug/l	0.15	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Toluene	< 0.076 ug/l	0.076	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,1,1-Trichloroethane	< 0.23 ug/l	0.23	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
1,1,2-Trichloroethane	< 0.18 ug/l	0.18	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Trichloroethylene	< 0.087 ug/l	0.087	5.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Vinyl chloride	< 0.15 ug/l	0.15	2.0	V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
<b>Volatile Organic Compounds Surrogates:</b>							
4-Bromofluorobenzene (75.0-120%)	110 %			V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Dibromofluoromethane (85.0-115%)	89.0 %			V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	
Toluene-D8 (85.0-120%)	92.4 %			V8934-1	04Mar16 0923 by 301	04Mar16 2151 by 301	





# Arkansas Testing Laboratories

3301 Langley Drive  
 Searcy, AR 72143  
 Off 501-268-6431  
 Fax 501-268-9314

- \*NPDES Wastewater Monitoring
- \*Water and Wastewater Analysis
- \*Concrete, Asphalt, and Aggregate Testing
- \*Geotechnical Testing
- \*Industrial and Construction Quality Control

## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <b>BAD Boy Mower</b> <b>Bentville</b>										PARAMETERS									
SAMPLE ID	SAMPLE MATRIX	SAMPLED BY: <b>BB</b>								Calibration		PRESERVATIVES							
		DATE	TIME	Flow	Grab					pH / DO #									
EFF	W	3-2-16	10:15							pH		TTO	NO <sub>3</sub> <sup>-</sup>						
										10.16			CN						
										7.57									
										7.57									
# = number of bottles		Q, L, H = Quart, Liter, Half Gallon								P, G = Plastic, Glass									
Relinquished by:					Date/Time					Received by:					Date/Time				
Relinquished by:					Date/Time					Received by: <b>into lab</b> <b>BE Templeman</b>					Date/Time <b>3-2-16 11:50 am</b>				

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Bad Boy Inc. AR 0020702  
 102 Industrial Dr.  
 Batesville AR 72501 002#

B. FACILITY & LOCATION ADDRESS

Same as mailing address

C. FACILITY CONTACT:

Randel Davis

TELEPHONE NUMBER:

8706120350

e-mail:

randel.davis@badboymanufact.com

(2) REPORTING PERIOD - FISCAL YEAR From ??? to ????

(Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

June & December

B. PERIOD COVERED BY THIS REPORT

FROM: December TO: June

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- Coating
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)\*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Stages 2+4 are Rinse  
 stages in a five stage  
 cleaning process

B. CHANGES:

SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

N/A

\*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

C. Number of Regular Employees at this Facility

500

D. [Reserved]

**(4) FLOW MEASUREMENT**

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	8000	14000	
Regulated (Cyanide)			
'403.6(e) Unregulated*			
'403.6(e) Dilute			
Cooling Water			
Sanitary	12000	17000	
Total Flow to POTW	20000	31000	*****

\*"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

**(5) MEASUREMENT OF POLLUTANTS**

**A. TYPE OF TREATMENT SYSTEM**

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other \_\_\_\_\_
- None

**B. COMMENTS ON TREATMENT SYSTEM**

Stage 1, 2, 3, 5 Captured and Pick up By Wasted Services Inc

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	40.004	40.02	40.01	40.05	0.012	40.01	40.004	40.01	BOL
Ave Measured									

Sample Location sump pit at end of process

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected 1

40CFR136 Preservation and Analytical Methods Use:  Yes  No

**(6) CERTIFICATION**

A. [Reserved]

[Reserved]

B. CHECK ONE:  '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED  '433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

\_\_\_\_\_  
(Typed Name)

\_\_\_\_\_  
(Corporate Officer or authorized representative)

\_\_\_\_\_  
Date of Signature

**CORPORATE ACKNOWLEDGEMENT (Optional)**

STATE OF ARKANSAS )  
COUNTY OF \_\_\_\_\_ )

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_ of \_\_\_\_\_, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_.

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County, Arkansas

My commission expires \_\_\_\_\_.

**(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]**

'6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.—The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices:

N/A

**(8) GENERAL COMMENTS**

**(9) SIGNATORY REQUIREMENTS [40CFR403.12(1)]**

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

Randel Davis  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Randel Davis  
SIGNATURE

Paint Supervisor  
OFFICIAL TITLE

6-1-16  
DATE SIGNED

# Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

(501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring  
 Water and Wastewater Analysis  
 Concrete, Asphalt, and Aggregate Testing  
 Geotechnical Testing  
 Industrial and Construction Quality Control

## BAD BOY MOWERS

Collection Date / Time: March 30, 2016 10:50 AM

Collection Place: #2

Collected By: BET

## Wastewater Analysis

Parameter	Date / Time Begin	Date / Time End	Results	Unit	Ldg (lbs/dy)	Analyst	% Spike	Rel %	Sample Type	Ref #
Cadmium	04/07 12:44 PM	NA	< 0.004	mg/l	NA	KLB	102.0	0.00	Grab	1
Chromium	04/07 12:44 PM	NA	< 0.02	mg/l	NA	KLB	105.5	0.00	Grab	1
Copper	04/07 12:44 PM	NA	< 0.01	mg/l	NA	KLB	103.3	0.00	Grab	1
Lead	04/07 12:44 PM	NA	< 0.05	mg/l	NA	KLB	97.0	0.00	Grab	1
Nickel	04/07 12:44 PM	NA	0.012	mg/l	NA	KLB	101.8	0.00	Grab	1
Silver	04/07 12:44 PM	NA	< 0.01	mg/l	NA	KLB	90.0	0.00	Grab	1
Zinc	04/07 12:44 PM	NA	< 0.004	mg/l	NA	KLB	112.3	5.71	Grab	1
Vol & Semi Vols	04/04 10:11 AM	04/05 11:52 PM	AI	ug/l	NA	AI306/301			Grab	2
pH	03/30 10:51 AM	NA	7.69	S.U.	NA	BET	NA	0.27	GRAB	3
Cyanide, Total	04/07 10:00 AM	NA	< 0.01	mg/l	NA	KLB	98.6	0.00	GRAB	4

**Quality Assurance:** All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.


**Notes:** Samples iced at collection. Preserved with H<sub>2</sub>SO<sub>4</sub> to pH<sub>2</sub>: Oil & Grease, Ammonia, COD

American Interplex Invoice # 200855 attached

### References:

Analysis complies with 40 CFR Part 136:

1. SM 3111B-1999
2. See attached American Interplex Report 200855
3. SM 4500 HB-2000
4. SM 4500-CN-E-1999

  
 Neville Adams, Manager

Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**ANALYTICAL RESULTS**
**AIC No.** 200855-1

**Sample Identification:** BB2 30-Mar-2016 1050

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625</b>				
<b>Acenaphthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Acenaphthylene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Benzidine</b> EPA 625	< 25	25	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Benzo(a)anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Benzo(a)pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Benzo(g,h,i)perylene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Benzo(k)fluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>3,4-Benzofluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Bis(2-chloroethoxy)methane</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Bis(2-chloroethyl)ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Bis(2-chloroisopropyl)ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Bis(2-ethylhexyl)phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>4-Bromophenyl phenyl ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Butylbenzyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2-Chloronaphthalene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2-Chlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>4-Chlorophenyl phenyl ether</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Chrysene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Di-n-butyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	



Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 200855-1 (Continued)

Sample Identification: BB2 30-Mar-2016 1050

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>Di-n-octyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Dibenz(a,h)anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>3,3'-Dichlorobenzidine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,4-Dichlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Diethyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Dimethyl phthalate</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,4-Dimethylphenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>4,6-Dinitro-o-cresol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,4-Dinitrophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,4-Dinitrotoluene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,6-Dinitrotoluene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>1,2-Diphenylhydrazine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Fluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Fluorene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Hexachlorobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Hexachlorobutadiene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Hexachlorocyclopentadiene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Hexachloroethane</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Indeno(1,2,3-cd)pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Isophorone</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	

Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 200855-1 (Continued)

Sample Identification: BB2 30-Mar-2016 1050

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>n-Nitrosodi-n-propylamine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>n-Nitrosodimethylamine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>n-Nitrosodiphenylamine</b> EPA 625	< 5.0	5.0	ug/l	R
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Naphthalene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Nitrobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2-Nitrophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>4-Nitrophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>p-Chloro-m-cresol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Pentachlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Phenanthrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Phenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>1,2,4-Trichlorobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>2,4,6-Trichlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	96.8		%	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	67.0		%	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	85.6		%	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	89.4		%	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	89.7		%	
Prep: 04-Apr-2016 1011 by 306	Analyzed: 05-Apr-2016 2351 by 306		Batch: B9964	
<b>Volatile Organic Compounds By EPA 624</b>				
<b>Acrolein</b> EPA 624	< 25	25	ug/l	P
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	

Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**ANALYTICAL RESULTS**
**AIC No. 200855-1 (Continued)**
**Sample Identification: BB2 30-Mar-2016 1050**

<b>Analyte</b>	<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Qualifier</b>
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
<b>Acrylonitrile</b> EPA 624	< 25	25	ug/l	P
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Benzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Bromoform</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Carbon tetrachloride</b> EPA 624	< 2.0	2.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Chlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Chlorodibromomethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Chloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>2-Chloroethyl vinyl ether</b> EPA 624	< 10	10	ug/l	P
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Chloroform</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,2-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,3-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,4-Dichlorobenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Dichlorobromomethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,1-Dichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,2-Dichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,1-Dichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>trans-1,2-Dichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,2-Dichloropropane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>cis-1,3-Dichloropropylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>trans-1,3-Dichloropropylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	

Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 200855-1 (Continued)

Sample Identification: BB2 30-Mar-2016 1050

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
<b>Ethylbenzene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Methyl bromide(Bromomethane)</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Methyl chloride(Chloromethane)</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Methylene chloride</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,1,2,2-Tetrachloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Tetrachloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Toluene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,1,1-Trichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>1,1,2-Trichloroethane</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Trichloroethylene</b> EPA 624	< 5.0	5.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
<b>Vinyl chloride</b> EPA 624	< 2.0	2.0	ug/l	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
Surrogate: 4-Bromofluorobenzene (75.0-120%) EPA 624	93.4		%	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
Surrogate: Dibromofluoromethane (85.0-115%) EPA 624	94.5		%	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	
Surrogate: Toluene-D8 (85.0-120%) EPA 624	107		%	
Prep: 04-Apr-2016 1057 by 301	Analyzed: 07-Apr-2016 1352 by 301		Batch: V8957	

Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds</b>								
Acrolein	200841-21	< 0.0025 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.0025 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Acrylonitrile	200841-21	< 0.0025 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.0025 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Benzene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Bromodichloromethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Bromoform	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Bromomethane	200841-21	< 0.0010 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.0010 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Carbon tetrachloride	200841-21	< 0.00042 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00042 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Chlorobenzene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Chloroethane	200841-21	< 0.0010 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.0010 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
2-Chloroethyl vinyl ether	200841-21	< 0.0010 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.0010 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Chloroform	200841-21	< 0.00075 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00075 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Chloromethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Dibromochloromethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,2-Dichlorobenzene	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,3-Dichlorobenzene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,4-Dichlorobenzene	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,1-Dichloroethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,2-Dichloroethane	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,1-Dichloroethene	200841-21	< 0.00038 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00038 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
trans-1,2-Dichloroethene	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,2-Dichloropropane	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
cis-1,3-Dichloropropene	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
trans-1,3-Dichloropropene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957	Duplicate < 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		

Arkansas Testing Laboratories  
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Searcy, AR 72143

**DUPLICATE RESULTS**

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Ethylbenzene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Methylene chloride	200841-21	< 0.00070 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00070 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,1,2,2-Tetrachloroethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Tetrachloroethene	200841-21	< 0.00038 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00038 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Toluene	200841-21	< 0.00020 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00020 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,1,1-Trichloroethane	200841-21	< 0.00045 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00045 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
1,1,2-Trichloroethane	200841-21	< 0.00050 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00050 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Trichloroethene	200841-21	< 0.00041 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00041 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
Vinyl chloride	200841-21	< 0.00021 mg/l			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	< 0.00021 mg/l	0.00	30.0	04Apr16 1057 by 301	07Apr16 0641 by 301		
4-Bromofluorobenzene (75.0-120%)	200841-21	93.8 %			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	93.2 %			04Apr16 1057 by 301	07Apr16 0641 by 301		
Dibromofluoromethane (85.0-115%)	200841-21	96.6 %			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	95.8 %			04Apr16 1057 by 301	07Apr16 0641 by 301		
Toluene-D8 (85.0-120%)	200841-21	106 %			04Apr16 1056 by 301	07Apr16 0606 by 301		
	Batch: V8957 Duplicate	109 %			04Apr16 1057 by 301	07Apr16 0641 by 301		

Arkansas Testing Laboratories  
 3301 Langley Drive  
 Searcy, AR 72143

**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds</b>										
Acenaphthene	40 ug/l	82.3	45.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Acenaphthylene	40 ug/l	87.2	50.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Anthracene	40 ug/l	90.6	55.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Benzidine	100 ug/l	41.8	0.00-55.4			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Benzo(a)anthracene	40 ug/l	84.4	55.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Benzo(a)pyrene	40 ug/l	65.9	55.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Benzo(g,h,i)perylene	40 ug/l	64.6	40.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Benzo(k)fluoranthene	40 ug/l	72.5	45.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
3,4-Benzofluoranthene	40 ug/l	65.6	45.0-120			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Bis(2-chloroethoxy)methane	40 ug/l	75.3	45.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Bis(2-chloroethyl)ether	40 ug/l	75.6	35.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Bis(2-chloroisopropyl)ether	40 ug/l	80.5	25.0-130			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Bis(2-ethylhexyl)phthalate	40 ug/l	124	40.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
4-Bromophenyl phenyl ether	40 ug/l	83.4	50.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Butylbenzyl phthalate	40 ug/l	74.1	45.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2-Chloronaphthalene	40 ug/l	83.3	50.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2-Chlorophenol	40 ug/l	71.5	35.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
4-Chlorophenyl phenyl ether	40 ug/l	82.5	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Chrysene	40 ug/l	87.2	55.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Di-n-butyl phthalate	40 ug/l	89.8	55.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Di-n-octyl phthalate	40 ug/l	114	35.0-135			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Dibenz(a,h)anthracene	40 ug/l	68.5	40.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
1,2-Dichlorobenzene	40 ug/l	72.3	35.0-100			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
1,3-Dichlorobenzene	40 ug/l	70.0	30.0-100			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
1,4-Dichlorobenzene	40 ug/l	69.3	30.0-100			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
3,3'-Dichlorobenzidine	40 ug/l	98.0	20.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4-Dichlorophenol	40 ug/l	74.2	50.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Diethyl phthalate	40 ug/l	83.4	40.0-120			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Dimethyl phthalate	40 ug/l	85.3	25.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4-Dimethylphenol	40 ug/l	73.3	30.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
4,6-Dinitro-o-cresol	40 ug/l	60.5	40.0-130			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4-Dinitrophenol	40 ug/l	35.0	15.0-140			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4-Dinitrotoluene	40 ug/l	86.7	50.0-120			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,6-Dinitrotoluene	40 ug/l	86.8	50.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
1,2-Diphenylhydrazine	40 ug/l	81.5	55.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Fluoranthene	40 ug/l	87.8	55.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Fluorene	40 ug/l	85.2	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Hexachlorobenzene	40 ug/l	82.9	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Hexachlorobutadiene	40 ug/l	63.2	25.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Hexachlorocyclopentadiene	40 ug/l	64.0	38.6-98.6			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		

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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>										
Hexachloroethane	40 ug/l	65.3	30.0-100			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Indeno(1,2,3-cd)pyrene	40 ug/l	63.7	45.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Isophorone	40 ug/l	77.8	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
n-Nitrosodi-n-propylamine	40 ug/l	76.3	35.0-130			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
n-Nitrosodimethylamine	40 ug/l	57.9	25.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
n-Nitrosodiphenylamine	40 ug/l	87.3	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Naphthalene	40 ug/l	77.7	40.0-100			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Nitrobenzene	40 ug/l	72.4	45.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2-Nitrophenol	40 ug/l	72.1	40.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
4-Nitrophenol	40 ug/l	42.8	0.00-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
p-Chloro-m-cresol	40 ug/l	74.6	45.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Pentachlorophenol	40 ug/l	63.2	40.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Phenanthrene	40 ug/l	89.6	50.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Phenol	40 ug/l	45.5	0.00-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Pyrene	40 ug/l	65.8	50.0-130			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
1,2,4-Trichlorobenzene	40 ug/l	69.8	35.0-105			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4,6-Trichlorophenol	40 ug/l	82.2	50.0-115			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
<b>Base/Neutral and Acid Compounds Surrogates:</b>										
2-Fluorobiphenyl	40 ug/l	90.9	50.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2-Fluorophenol	40 ug/l	62.0	20.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Nitrobenzene-D5	40 ug/l	77.6	40.0-110			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
Terphenyl-D14	40 ug/l	76.6	50.0-135			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
2,4,6-Tribromophenol	40 ug/l	90.4	40.0-125			B9964	04Apr16 1011 by 306	05Apr16 2111 by 306		
<b>Volatile Organic Compounds</b>										
Acrolein	100 ug/l	85.2	65.5-128			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Acrylonitrile	100 ug/l	86.4	85.0-129			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Benzene	20 ug/l	101	80.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Bromodichloromethane	20 ug/l	102	75.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Bromoform	20 ug/l	106	70.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Bromomethane	20 ug/l	98.0	30.0-145			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Carbon tetrachloride	20 ug/l	94.7	65.0-140			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Chlorobenzene	20 ug/l	99.8	80.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Chloroethane	20 ug/l	99.3	60.0-135			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
2-Chloroethyl vinyl ether	40 ug/l	105	62.6-124			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Chloroform	20 ug/l	106	65.0-135			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Chloromethane	20 ug/l	110	40.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Dibromochloromethane	20 ug/l	101	60.0-135			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,2-Dichlorobenzene	20 ug/l	100	70.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,3-Dichlorobenzene	20 ug/l	94.8	75.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		



Arkansas Testing Laboratories  
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**LABORATORY CONTROL SAMPLE RESULTS**

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>										
1,4-Dichlorobenzene	20 ug/l	94.6	75.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,1-Dichloroethane	20 ug/l	101	70.0-135			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,2-Dichloroethane	20 ug/l	102	70.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,1-Dichloroethene	20 ug/l	98.0	70.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
trans-1,2-Dichloroethene	20 ug/l	96.5	60.0-140			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,2-Dichloropropane	20 ug/l	102	75.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
cis-1,3-Dichloropropene	20 ug/l	91.2	70.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
trans-1,3-Dichloropropene	20 ug/l	87.2	55.0-140			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Ethylbenzene	20 ug/l	99.0	75.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Methylene chloride	20 ug/l	105	55.0-140			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,1,2,2-Tetrachloroethane	20 ug/l	109	65.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Tetrachloroethene	20 ug/l	93.2	45.0-150			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Toluene	20 ug/l	97.4	75.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,1,1-Trichloroethane	20 ug/l	97.6	65.0-130			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
1,1,2-Trichloroethane	20 ug/l	103	75.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Trichloroethene	20 ug/l	100	70.0-125			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Vinyl chloride	20 ug/l	97.7	50.0-145			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
<b>Volatile Organic Compounds Surrogates:</b>										
4-Bromofluorobenzene	50 ug/l	105	75.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Dibromofluoromethane	50 ug/l	97.8	85.0-115			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		
Toluene-D8	50 ug/l	106	85.0-120			V8957	04Apr16 1057 by 301	07Apr16 0118 by 301		

Arkansas Testing Laboratories  
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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds</b>									
Acenaphthene	200757-1	40 ug/l	77.4	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	76.2	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.60	30.0	B9964				
Acenaphthylene	200757-1	40 ug/l	79.0	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	78.3	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.890	30.0	B9964				
Anthracene	200757-1	40 ug/l	97.7	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	98.4	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.740	30.0	B9964				
Benzidine	200757-1	100 ug/l	39.0	0.00-56.2	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	100 ug/l	45.3	0.00-56.2	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		15.0	23.3	B9964				
Benzo(a)anthracene	200757-1	40 ug/l	94.4	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	94.9	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.475	30.0	B9964				
Benzo(a)pyrene	200757-1	40 ug/l	71.9	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	73.5	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		2.17	30.0	B9964				
Benzo(g,h,i)perylene	200757-1	40 ug/l	72.5	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	75.9	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.51	30.0	B9964				
Benzo(k)fluoranthene	200757-1	40 ug/l	76.7	45.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	77.6	45.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.10	30.0	B9964				
3,4-Benzofluoranthene	200757-1	40 ug/l	72.5	45.0-120	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	72.6	45.0-120	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.138	30.0	B9964				
Bis(2-chloroethoxy)methane	200757-1	40 ug/l	90.4	45.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	91.0	45.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.662	30.0	B9964				
Bis(2-chloroethyl)ether	200757-1	40 ug/l	86.9	35.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	87.4	35.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.545	30.0	B9964				
Bis(2-chloroisopropyl)ether	200757-1	40 ug/l	96.4	25.0-130	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	95.7	25.0-130	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.755	30.0	B9964				
Bis(2-ethylhexyl)phthalate	200757-1	40 ug/l	91.0	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	94.8	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.01	30.0	B9964				
4-Bromophenyl phenyl ether	200757-1	40 ug/l	93.8	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	93.9	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.160	30.0	B9964				
Butylbenzyl phthalate	200757-1	40 ug/l	88.2	45.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	91.7	45.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		3.89	30.0	B9964				
2-Chloronaphthalene	200757-1	40 ug/l	75.4	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	75.4	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.0995	30.0	B9964				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chlorophenol	200757-1	40 ug/l	82.0	35.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	83.2	35.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.39	30.0	B9964				
4-Chlorophenyl phenyl ether	200757-1	40 ug/l	77.6	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	76.9	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.939	30.0	B9964				
Chrysene	200757-1	40 ug/l	93.9	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	95.1	55.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.27	30.0	B9964				
Di-n-butyl phthalate	200757-1	40 ug/l	93.0	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	96.2	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		3.41	30.0	B9964				
Di-n-octyl phthalate	200757-1	40 ug/l	76.8	35.0-135	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	80.0	35.0-135	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.02	30.0	B9964				
Dibenz(a,h)anthracene	200757-1	40 ug/l	78.8	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	83.0	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		5.19	30.0	B9964				
1,2-Dichlorobenzene	200757-1	40 ug/l	80.8	35.0-100	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	80.9	35.0-100	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.186	30.0	B9964				
1,3-Dichlorobenzene	200757-1	40 ug/l	77.7	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	77.4	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.451	30.0	B9964				
1,4-Dichlorobenzene	200757-1	40 ug/l	78.1	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	77.5	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.707	30.0	B9964				
3,3'-Dichlorobenzidine	200757-1	40 ug/l	69.5	20.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	62.8	20.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		10.1	30.0	B9964				
2,4-Dichlorophenol	200757-1	40 ug/l	87.4	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	85.9	50.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.70	30.0	B9964				
Diethyl phthalate	200757-1	40 ug/l	80.0	40.0-120	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	78.5	40.0-120	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.86	30.0	B9964				
Dimethyl phthalate	200757-1	40 ug/l	79.9	25.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	79.7	25.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.282	30.0	B9964				
2,4-Dimethylphenol	200757-1	40 ug/l	77.6	30.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	84.9	30.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		8.92	30.0	B9964				
4,6-Dinitro-o-cresol	200757-1	40 ug/l	81.6	40.0-130	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	78.6	40.0-130	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		3.81	30.0	B9964				
2,4-Dinitrophenol	200757-1	40 ug/l	69.6	15.0-140	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	68.5	15.0-140	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.59	30.0	B9964				
2,4-Dinitrotoluene	200757-1	40 ug/l	82.4	50.0-120	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	82.0	50.0-120	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.548	30.0	B9964				

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Base/Neutral and Acid Compounds (Continued)</b>									
2,6-Dinitrotoluene	200757-1	40 ug/l	82.4	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	81.9	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.517	30.0	B9964				
1,2-Diphenylhydrazine	200757-1	40 ug/l	88.0	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	88.4	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.453	30.0	B9964				
Fluoranthene	200757-1	40 ug/l	89.2	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	90.8	55.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.86	30.0	B9964				
Fluorene	200757-1	40 ug/l	80.0	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	79.2	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.973	30.0	B9964				
Hexachlorobenzene	200757-1	40 ug/l	96.2	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	94.0	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		2.26	30.0	B9964				
Hexachlorobutadiene	200757-1	40 ug/l	71.5	25.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	72.8	25.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.77	30.0	B9964				
Hexachlorocyclopentadiene	200757-1	40 ug/l	59.1	48.3-87.3	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	58.0	48.3-87.3	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.96	30.0	B9964				
Hexachloroethane	200757-1	40 ug/l	72.6	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	70.8	30.0-100	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		2.55	30.0	B9964				
Indeno(1,2,3-cd)pyrene	200757-1	40 ug/l	77.7	45.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	81.2	45.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.47	30.0	B9964				
Isophorone	200757-1	40 ug/l	90.6	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	88.4	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		2.43	30.0	B9964				
n-Nitrosodi-n-propylamine	200757-1	40 ug/l	89.6	35.0-130	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	85.8	35.0-130	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.27	30.0	B9964				
n-Nitrosodimethylamine	200757-1	40 ug/l	62.1	25.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	61.1	25.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.62	30.0	B9964				
n-Nitrosodiphenylamine	200757-1	40 ug/l	97.0	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	98.2	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.26	30.0	B9964				
Naphthalene	200757-1	40 ug/l	86.5	40.0-100	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	87.5	40.0-100	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.09	30.0	B9964				
Nitrobenzene	200757-1	40 ug/l	81.8	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	82.0	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.214	30.0	B9964				
2-Nitrophenol	200757-1	40 ug/l	85.6	40.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	88.4	40.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		3.30	30.0	B9964				

Arkansas Testing Laboratories  
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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
4-Nitrophenol	200757-1	40 ug/l	42.3	0.00-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	42.6	0.00-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		0.765	30.0	B9964				
p-Chloro-m-cresol	200757-1	40 ug/l	89.5	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	88.4	45.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.21	30.0	B9964				
Pentachlorophenol	200757-1	40 ug/l	82.2	40.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	86.2	40.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		4.78	30.0	B9964				
Phenanthrene	200757-1	40 ug/l	94.8	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	96.2	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.49	30.0	B9964				
Phenol	200757-1	40 ug/l	51.9	0.00-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	53.4	0.00-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		2.85	30.0	B9964				
Pyrene	200757-1	40 ug/l	83.0	50.0-130	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	86.2	50.0-130	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		3.75	30.0	B9964				
1,2,4-Trichlorobenzene	200757-1	40 ug/l	80.2	35.0-105	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	81.2	35.0-105	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.21	30.0	B9964				
2,4,6-Trichlorophenol	200757-1	40 ug/l	79.0	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	77.8	50.0-115	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
	Relative Percent Difference:		1.47	30.0	B9964				
<b>Base/Neutral and Acid Compounds Surrogates:</b>									
2-Fluorobiphenyl	200757-1	40 ug/l	88.4	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	81.0	50.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
2-Fluorophenol	200757-1	40 ug/l	76.5	20.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	72.0	20.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
Nitrobenzene-D5	200757-1	40 ug/l	96.0	40.0-110	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	87.4	40.0-110	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
Terphenyl-D14	200757-1	40 ug/l	103	50.0-135	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	98.6	50.0-135	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
2,4,6-Tribromophenol	200757-1	40 ug/l	116	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2150 by 306		
	200757-1	40 ug/l	111	40.0-125	B9964	04Apr16 1011 by 306	05Apr16 2230 by 306		
<b>Volatile Organic Compounds</b>									
Acrolein	200841-22	100 ug/l	60.7	53.1-129	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Acrylonitrile	200841-22	100 ug/l	76.7	37.9-150	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Benzene	200841-22	20 ug/l	95.1	80.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Bromodichloromethane	200841-22	20 ug/l	92.7	75.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Bromoform	200841-22	20 ug/l	89.2	70.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Bromomethane	200841-22	20 ug/l	87.0	30.0-145	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Carbon tetrachloride	200841-22	20 ug/l	91.0	65.0-140	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Chlorobenzene	200841-22	20 ug/l	99.2	80.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Chloroethane	200841-22	20 ug/l	124	60.0-135	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
2-Chloroethyl vinyl ether	200841-22	40 ug/l	74.6	45.9-137	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Chloroform	200841-22	20 ug/l	101	65.0-135	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		

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**MATRIX SPIKE SAMPLE RESULTS**

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
<b>Volatile Organic Compounds (Continued)</b>									
Chloromethane	200841-22	20 ug/l	89.4	40.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Dibromochloromethane	200841-22	20 ug/l	92.4	60.0-135	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,2-Dichlorobenzene	200841-22	20 ug/l	101	70.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,3-Dichlorobenzene	200841-22	20 ug/l	97.2	75.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,4-Dichlorobenzene	200841-22	20 ug/l	96.2	75.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,1-Dichloroethane	200841-22	20 ug/l	82.8	70.0-135	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,2-Dichloroethane	200841-22	20 ug/l	97.8	70.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,1-Dichloroethene	200841-22	20 ug/l	102	70.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
trans-1,2-Dichloroethene	200841-22	20 ug/l	96.3	60.0-140	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,2-Dichloropropane	200841-22	20 ug/l	93.6	75.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
cis-1,3-Dichloropropene	200841-22	20 ug/l	82.2	70.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
trans-1,3-Dichloropropene	200841-22	20 ug/l	76.6	55.0-140	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Ethylbenzene	200841-22	20 ug/l	97.9	75.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Methylene chloride	200841-22	20 ug/l	95.2	55.0-140	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,1,2,2-Tetrachloroethane	200841-22	20 ug/l	92.6	65.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Tetrachloroethene	200841-22	20 ug/l	93.4	45.0-150	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Toluene	200841-22	20 ug/l	95.2	75.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,1,1-Trichloroethane	200841-22	20 ug/l	98.9	65.0-130	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
1,1,2-Trichloroethane	200841-22	20 ug/l	84.7	75.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Trichloroethene	200841-22	20 ug/l	97.6	70.0-125	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Vinyl chloride	200841-22	20 ug/l	116	50.0-145	V8957	04Apr16 1057 by 301	07Apr16 2215 by 301	100	D
<b>Volatile Organic Compounds Surrogates:</b>									
4-Bromofluorobenzene	200841-22	50 ug/l	100	75.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Dibromofluoromethane	200841-22	50 ug/l	98.0	85.0-115	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		
Toluene-D8	200841-22	50 ug/l	107	85.0-120	V8957	04Apr16 1057 by 301	07Apr16 0154 by 301		

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Acenaphthene	< 0.85 ug/l	0.85	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Acenaphthylene	< 1.7 ug/l	1.7	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Anthracene	< 2.1 ug/l	2.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Benzidine	< 5.1 ug/l	5.1	25	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Benzo(a)anthracene	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Benzo(a)pyrene	< 1.2 ug/l	1.2	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Benzo(g,h,i)perylene	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Benzo(k)fluoranthene	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
3,4-Benzofluoranthene	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Bis(2-chloroethoxy)methane	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Bis(2-chloroethyl)ether	< 0.83 ug/l	0.83	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Bis(2-chloroisopropyl)ether	< 0.90 ug/l	0.90	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Bis(2-ethylhexyl)phthalate	< 1.4 ug/l	1.4	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
4-Bromophenyl phenyl ether	< 0.96 ug/l	0.96	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Butylbenzyl phthalate	< 1.5 ug/l	1.5	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2-Chloronaphthalene	< 0.82 ug/l	0.82	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2-Chlorophenol	< 0.72 ug/l	0.72	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
4-Chlorophenyl phenyl ether	< 0.92 ug/l	0.92	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Chrysene	< 0.95 ug/l	0.95	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Di-n-butyl phthalate	< 2.2 ug/l	2.2	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Di-n-octyl phthalate	< 0.78 ug/l	0.78	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Dibenz(a,h)anthracene	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
3,3'-Dichlorobenzidine	< 2.7 ug/l	2.7	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4-Dichlorophenol	< 0.98 ug/l	0.98	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Diethyl phthalate	< 1.8 ug/l	1.8	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Dimethyl phthalate	< 1.6 ug/l	1.6	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4-Dimethylphenol	< 1.5 ug/l	1.5	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
4,6-Dinitro-o-cresol	< 1.9 ug/l	1.9	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4-Dinitrophenol	< 1.4 ug/l	1.4	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4-Dinitrotoluene	< 2.5 ug/l	2.5	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,6-Dinitrotoluene	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
1,2-Diphenylhydrazine	< 0.71 ug/l	0.71	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Fluoranthene	< 1.8 ug/l	1.8	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Fluorene	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Hexachlorobenzene	< 0.93 ug/l	0.93	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Hexachlorobutadiene	< 0.75 ug/l	0.75	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Hexachlorocyclopentadiene	< 0.64 ug/l	0.64	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Hexachloroethane	< 0.59 ug/l	0.59	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Indeno(1,2,3-cd)pyrene	< 1.6 ug/l	1.6	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Isophorone	< 1.0 ug/l	1.0	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
n-Nitrosodi-n-propylamine	< 0.94 ug/l	0.94	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
n-Nitrosodimethylamine	< 1.4 ug/l	1.4	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
n-Nitrosodiphenylamine	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	R
Naphthalene	< 1.4 ug/l	1.4	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Nitrobenzene	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2-Nitrophenol	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
4-Nitrophenol	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
p-Chloro-m-cresol	< 1.1 ug/l	1.1	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Pentachlorophenol	< 0.95 ug/l	0.95	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	

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**LABORATORY BLANK RESULTS**

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
<b>Base/Neutral and Acid Compounds</b>							
Phenanthrene	< 0.86 ug/l	0.86	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Phenol	< 0.52 ug/l	0.52	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Pyrene	< 1.4 ug/l	1.4	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
1,2,4-Trichlorobenzene	< 0.73 ug/l	0.73	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4,6-Trichlorophenol	< 1.3 ug/l	1.3	5.0	B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
<b>Base/Neutral and Acid Compounds Surrogates:</b>							
2-Fluorobiphenyl (50.0-110%)	104 %			B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2-Fluorophenol (20.0-110%)	69.6 %			B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Nitrobenzene-D5 (40.0-110%)	91.4 %			B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
Terphenyl-D14 (50.0-135%)	94.1 %			B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
2,4,6-Tribromophenol (40.0-125%)	85.6 %			B9964-1	04Apr16 1011 by 306	05Apr16 2034 by 306	
<b>Volatile Organic Compounds</b>							
Acrolein	< 2.0 ug/l	2.0	25	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Acrylonitrile	< 0.49 ug/l	0.49	25	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Benzene	< 0.054 ug/l	0.054	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Bromoform	< 0.11 ug/l	0.11	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Carbon tetrachloride	< 0.27 ug/l	0.27	2.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Chlorobenzene	< 0.087 ug/l	0.087	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Chlorodibromomethane	< 0.12 ug/l	0.12	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Chloroethane	< 0.22 ug/l	0.22	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
2-Chloroethyl vinyl ether	< 0.21 ug/l	0.21	10	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Chloroform	< 0.082 ug/l	0.082	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,2-Dichlorobenzene	< 0.093 ug/l	0.093	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,3-Dichlorobenzene	< 0.081 ug/l	0.081	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,4-Dichlorobenzene	< 0.12 ug/l	0.12	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Dichlorobromomethane	< 0.12 ug/l	0.12	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,1-Dichloroethane	< 0.076 ug/l	0.076	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,2-Dichloroethane	< 0.086 ug/l	0.086	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,1-Dichloroethylene	< 0.21 ug/l	0.21	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
trans-1,2-Dichloroethylene	< 0.17 ug/l	0.17	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,2-Dichloropropane	< 0.15 ug/l	0.15	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
cis-1,3-Dichloropropylene	< 0.15 ug/l	0.15	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
trans-1,3-Dichloropropylene	< 0.27 ug/l	0.27	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Ethylbenzene	< 0.057 ug/l	0.057	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Methyl bromide(Bromomethane)	< 0.11 ug/l	0.11	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Methyl chloride(Chloromethane)	< 0.38 ug/l	0.38	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Methylene chloride	< 0.26 ug/l	0.26	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,1,2,2-Tetrachloroethane	< 0.088 ug/l	0.088	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Tetrachloroethylene	< 0.15 ug/l	0.15	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Toluene	< 0.076 ug/l	0.076	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,1,1-Trichloroethane	< 0.23 ug/l	0.23	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
1,1,2-Trichloroethane	< 0.18 ug/l	0.18	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Trichloroethylene	< 0.087 ug/l	0.087	5.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Vinyl chloride	< 0.15 ug/l	0.15	2.0	V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
<b>Volatile Organic Compounds Surrogates:</b>							
4-Bromofluorobenzene (75.0-120%)	94.6 %			V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Dibromofluoromethane (85.0-115%)	97.2 %			V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	
Toluene-D8 (85.0-120%)	108 %			V8957-1	04Apr16 1057 by 301	07Apr16 0306 by 301	





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3301 Langley Drive  
Searcy, AR 72143

**SAMPLE INFORMATION**

**Project Description:**

One (1) water sample(s) received on April 1, 2016  
2454  
P.O. No. 2454

**Receipt Details:**

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.

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

**Sample Identification:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
200855-1	BB2	30-Mar-2016 1050	

**Qualifiers:**

- D Result is from a secondary dilution factor
- P Improper preservation
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine

**Case Narrative:**

40 CFR 136 indicates that Acrolein and Acrylonitrile can have a holding time of 14 days if preserved to a pH between 4 and 5 units. As there is no practical way to achieve this pH preservation in the field, American Interplex Corporation has elected to analyze volatiles unpreserved with a holding time of 3 days for Acrolein and 7 days for the remaining volatile analytes. The volatile compound 2-Chloroethyl vinyl ether should be analyzed from an unpreserved sample.

**References:**

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



Arkansas Testing Laboratories  
ATTN: Ms. Lorrie Barbee  
3301 Langley Drive  
Searcy, AR 72143

This report contains the analytical results and supporting information for the sample submitted on April 1, 2016. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

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

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

A handwritten signature in cursive script that reads 'Steve Bradford'. The signature is written in black ink and is positioned above a horizontal line.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Arkansas Testing Laboratories  
ATTN: Ms. Lorrie Barbee  
arkatl@sbcglobal.net

# Arkansas Testing Laboratories

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 Searcy, AR 72143  
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- \*NPDES Wastewater Monitoring
- \*Water and Wastewater Analysis
- \*Concrete, Asphalt, and Aggregate Testing
- \*Geotechnical Testing
- \*Industrial and Construction Quality Control

## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <u>BAD Boy Mower #2 Batesville</u>										PARAMETERS						
SAMPLE ID	SAMPLE MATRIX	SAMPLED BY: <u>BEJ</u>						Calibration			PRESERVATIVES					
								pH / DO # <u>0260</u>								
EFF	W=H2O	DATE	TIME	Flow	Grab											
INF	S=SLUDGE															
CLAR	D=SOIL															
POND	C=WELL															
BACKWASH																
<u>eff</u>	<u>w</u>	<u>3-30-16</u>	<u>10:50am</u>							<u>pH</u> <u>10:51</u>						<u>TTU</u>
										<u>7.69</u>						
# = number of bottles		Q, L, H = Quart, Liter, Half Gallon						P, G = Plastic, Glass								
Relinquished by:						Date/Time				Received by:				Date/Time		
Relinquished by:						Date/Time				Received by: <u>into Lab</u> <u>BEJ</u>				Date/Time: <u>3-30-16</u> <u>5:05pm</u>		