

Wilson, Tabatha

From: Gilliam, Allen
Sent: Thursday, June 26, 2014 11:15 AM
To: randel.davis@badboymowers.com
Cc: Fuller, Kim; Wilson, Tabatha; bateseville eugene townsley; batesville mike mcdaniel
Subject: AR0020702_Intimidators ARP001028 June 2014 semi annual Pretreatment report with ADEQ reply_20140626
Attachments: DOC052714.pdf; INTIMIDATOR VOL, SEMI VOL, MET 20140514.pdf; INTIMIDATOR 20140514.pdf

Randel,

Intimidator's June 2014 semi-annual Pretreatment Report (attached) was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically compliant with the Metal Finishing standards in 40 CFR 433.17.

No further action is deemed necessary at this time.

Note: In the future, only the analytical results of the regulated parameters in 40 CFR 433 and toxic organics in 40 CFR 433.11 need to be reported. The following lab's quality assurance/quality control pages ("duplicate results", "control sample results", "spike sample results" and "blank results") are for your review to ensure the analytical results are within EPA approved methods' acceptable QA/QC ranges and valid. These (and other Pretreatment related documents) must be kept in your Pretreatment files for a minimum of three (3) years per 40 CFR 403.12(o)(2).

Thank you for your timely report remaining in compliance with the Federal Pretreatment Regulations.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: Eugene Townsley, Batesville Water Utilities Superintendent
Mike McDaniel, Batesville Pretreatment Coordinator

E/NPDES/NPDES/Pretreatment/Reports

From: Randel Davis [<mailto:randel.davis@badboymowers.com>]
Sent: Tuesday, May 27, 2014 10:37 AM
To: Gilliam, Allen
Subject: June Report

Here is my June report for Intimidator.

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 & MAILING ADDRESS</p> <p>Intimidator Inc. 1 Bad Boy Blvd. Batesville AR 72501 AR#-001028 NPDS# AR 00 20702</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Same as mailing address</p>
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C. FACILITY CONTACT: Randel Davis TELEPHONE NUMBER: 8706120350 e-mail: randel.davis@badboyinc.com

(2) REPORTING PERIOD - FISCAL YEAR FROM: 2002 TO: 2003 (Both Semi-Annual Reports must cover fiscal year)

<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p><u>JUNE</u> & <u>December</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: <u>January</u> TO: <u>June</u></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 <input type="checkbox"/> Electroless Plating <input type="checkbox"/> Anodizing <input checked="" type="checkbox"/> Coating <input type="checkbox"/> Chemical Etching and Milling <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><u>Stages 2 & 4 are</u> <u>Ring stages in the</u> <u>Five stage cleaning process</u></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><u>N/A</u></p>
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*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

<p>C. Number of Regular Employees at this Facility</p> <p><u>58</u></p>	<p>D. [Reserved]</p>
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INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	5100	10100	
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	4500	9000	
Total Flow to POTW	9600	19100	*****

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

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 picked 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		2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave		1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<.004	<.007	<.006	<.04	<.01	<.007	.058	<.01	BDL
Ave Measured									

Sample Location Sample PTH outside Building 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 (PRACTICES) [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) STATEMENT OF CERTIFICATION [40 CFR 433.61 (c)]

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

5-27-14
DATE SIGNED




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 May 15, 2014. 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 Laboratory Director or a qualified designee.



John Overbey
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
3301 Langley Drive
Searcy, AR 72143

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on May 15, 2014
P.O. No. 2324

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>
178694-1	Intimidator 5-14-14 1010am	14-May-2014 1010	

Qualifiers:

- D Result is from a secondary dilution factor
- Q Analyte is not within quality control limits
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine
- X Spiking level is invalid due to the high concentration of analyte in the spiked sample

Case Narrative:

The matrix spike recovery for Silver failed to meet acceptance criteria due to matrix interference.

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. 178694-1

Sample Identification: Intimidator 5-14-14 1010am

Analyte	Result	RL	Units	Qualifier
Cadmium EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.004 Analyzed: 19-May-2014 1101 by 305	0.004	mg/l Batch: S36803	
Chromium EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.007 Analyzed: 19-May-2014 1101 by 305	0.007	mg/l Batch: S36803	
Copper EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.006 Analyzed: 19-May-2014 1101 by 305	0.006	mg/l Batch: S36803	
Lead EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.04 Analyzed: 19-May-2014 1101 by 305	0.04	mg/l Batch: S36803	
Nickel EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.01 Analyzed: 19-May-2014 1101 by 305	0.01	mg/l Batch: S36803	
Silver EPA 200.7 Prep: 16-May-2014 0836 by 285	< 0.007 Analyzed: 19-May-2014 1101 by 305	0.007	mg/l Batch: S36803	
Zinc EPA 200.7 Prep: 16-May-2014 0836 by 285	0.058 Analyzed: 19-May-2014 1101 by 305	0.002	mg/l Batch: S36803	
Base/Neutral and Acid Compounds By EPA 625				
Acenaphthene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Acenaphthylene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Anthracene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Benzidine EPA 625 Prep: 16-May-2014 1023 by 301	< 25 Analyzed: 16-May-2014 1940 by 301	25	ug/l Batch: B8973	
Benzo(a)anthracene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Benzo(a)pyrene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Benzo(g,h,i)perylene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Benzo(k)fluoranthene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
3,4-Benzofluoranthene EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Bis(2-chloroethoxy)methane EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Bis(2-chloroethyl)ether EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Bis(2-chloroisopropyl)ether EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	
Bis(2-ethylhexyl)phthalate EPA 625 Prep: 16-May-2014 1023 by 301	< 5.0 Analyzed: 16-May-2014 1940 by 301	5.0	ug/l Batch: B8973	

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 178694-1 (Continued)

Sample Identification: Intimidator 5-14-14 1010am

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
4-Bromophenyl phenyl ether	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Butylbenzyl phthalate	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2-Chloronaphthalene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2-Chlorophenol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
4-Chlorophenyl phenyl ether	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Chrysene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Di-n-butyl phthalate	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Di-n-octyl phthalate	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Dibenz(a,h)anthracene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
3,3'-Dichlorobenzidine	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2,4-Dichlorophenol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Diethyl phthalate	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Dimethyl phthalate	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2,4-Dimethylphenol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
4,6-Dinitro-o-cresol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2,4-Dinitrophenol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2,4-Dinitrotoluene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
2,6-Dinitrotoluene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
1,2-Diphenylhydrazine	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Fluoranthene	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	

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Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 178694-1 (Continued)

Sample Identification: Intimidator 5-14-14 1010am

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Fluorene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Hexachlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Hexachlorobutadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Hexachlorocyclopentadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Hexachloroethane EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Indeno(1,2,3-cd)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Isophorone EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
n-Nitrosodi-n-propylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
n-Nitrosodimethylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
n-Nitrosodiphenylamine EPA 625	< 5.0	5.0	ug/l	R
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Naphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Nitrobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
2-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
4-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
p-Chloro-m-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Pentachlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Phenanthrene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Phenol EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
Pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	
1,2,4-Trichlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301		Batch: B8973	

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ANALYTICAL RESULTS

AIC No. 178694-1 (Continued)

Sample Identification: Intimidator 5-14-14 1010am

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
2,4,6-Trichlorophenol	< 5.0	5.0	ug/l	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Surrogate: 2-Fluorobiphenyl (50.0-110%)	74.0		%	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Surrogate: 2-Fluorophenol (20.0-110%)	34.9		%	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Surrogate: Nitrobenzene-D5 (40.0-110%)	74.6		%	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Surrogate: Terphenyl-D14 (50.0-135%)	72.2		%	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Surrogate: 2,4,6-Tribromophenol (40.0-125%)	40.8		%	
EPA 625	Prep: 16-May-2014 1023 by 301	Analyzed: 16-May-2014 1940 by 301	Batch: B8973	
Volatile Organic Compounds By EPA 624				
Acrolein	< 25	25	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Acrylonitrile	< 25	25	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Benzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Bromoform	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Carbon tetrachloride	< 2.0	2.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Chlorobenzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Chlorodibromomethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Chloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
2-Chloroethyl vinyl ether	< 10	10	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Chloroform	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
1,2-Dichlorobenzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
1,3-Dichlorobenzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
1,4-Dichlorobenzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	

Arkansas Testing Laboratories
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 Searcy, AR 72143

ANALYTICAL RESULTS
AIC No. 178694-1 (Continued)

Sample Identification: Intimidator 5-14-14 1010am

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)				
Dichlorobromomethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,1-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,2-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,1-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
trans-1,2-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,2-Dichloropropane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
cis-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
trans-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Ethylbenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Methyl bromide(Bromomethane) EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Methyl chloride(Chloromethane) EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Methylene chloride EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,1,2,2-Tetrachloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Tetrachloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Toluene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,1,1-Trichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
1,1,2-Trichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Trichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Vinyl chloride EPA 624	< 2.0	2.0	ug/l	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	
Surrogate: 4-Bromofluorobenzene (75.0-120%) EPA 624	95.0		%	
Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301		Batch: V8518	



Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 178694-1 (Continued)

Sample Identification: Intimidator 5-14-14 1010am

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Volatile Organic Compounds By EPA 624 (Continued)				
Surrogate: Dibromofluoromethane (85.0-115%)	103		%	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	
Surrogate: Toluene-D8 (85.0-120%)	99.3		%	
EPA 624	Prep: 16-May-2014 0900 by 301	Analyzed: 16-May-2014 1455 by 301	Batch: V8518	

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds								
Acrolein	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Acrylonitrile	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Benzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Bromodichloromethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Bromoform	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Bromomethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Carbon tetrachloride	178667-1	< 0.20 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.20 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Chlorobenzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Chloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
2-Chloroethyl vinyl ether	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	20.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Chloroform	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Chloromethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Dibromochloromethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,2-Dichlorobenzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,3-Dichlorobenzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,4-Dichlorobenzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,1-Dichloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,2-Dichloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
trans-1,2-Dichloroethene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,1-Dichloroethylene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,2-Dichloropropane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
cis-1,3-Dichloropropene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
trans-1,3-Dichloropropene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Ethylbenzene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Methylene chloride	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,1,2,2-Tetrachloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Tetrachloroethylene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Toluene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,1,1-Trichloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
1,1,2-Trichloroethane	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Trichloroethylene	178667-1	< 0.50 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.50 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
Vinyl chloride	178667-1	< 0.20 mg/l			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	< 0.20 mg/l	0.00	30.0	16May14 0900 by 301	16May14 1303 by 301	100	D
4-Bromofluorobenzene (75.0-120%)	178667-1	99.7 %			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	99.7 %			16May14 0900 by 301	16May14 1303 by 301	100	D
Dibromofluoromethane (85.0-115%)	178667-1	95.3 %			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	96.2 %			16May14 0900 by 301	16May14 1303 by 301	100	D
Toluene-D8 (85.0-120%)	178667-1	104 %			16May14 0900 by 301	16May14 1226 by 301	100	D
	Batch: V8518 Duplicate	103 %			16May14 0900 by 301	16May14 1303 by 301	100	D

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
Cadmium	5 mg/l	105	85.0-115			S36803	16May14 0836 by 285	19May14 1750 by 305		
Chromium	0.5 mg/l	104	85.0-115			S36803	16May14 0836 by 285	19May14 1051 by 305		
Copper	0.5 mg/l	97.4	85.0-115			S36803	16May14 0836 by 285	19May14 1051 by 305		
Lead	5 mg/l	106	85.0-115			S36803	16May14 0836 by 285	19May14 1051 by 305		
Nickel	0.5 mg/l	104	85.0-115			S36803	16May14 0836 by 285	19May14 1051 by 305		
Silver	0.1 mg/l	90.3	85.0-115			S36803	16May14 0836 by 285	19May14 1750 by 305		
Zinc	0.5 mg/l	105	85.0-115			S36803	16May14 0836 by 285	19May14 1051 by 305		
Base/Neutral and Acid Compounds										
Acenaphthene	40 ug/l	78.0	45.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Acenaphthylene	40 ug/l	78.6	50.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
Anthracene	40 ug/l	80.8	55.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Benzidine	100 ug/l	50.5	0.00-61.1			B8973	16May14 1023 by 301	16May14 1555 by 301		
Benzo(a)anthracene	40 ug/l	80.8	55.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Benzo(a)pyrene	40 ug/l	82.6	55.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Benzo(g,h,i)perylene	40 ug/l	81.6	40.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
Benzo(k)fluoranthene	40 ug/l	82.2	45.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
3,4-Benzofluoranthene	40 ug/l	84.3	45.0-120			B8973	16May14 1023 by 301	16May14 1555 by 301		
Bis(2-chloroethoxy)methane	40 ug/l	76.4	45.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
Bis(2-chloroethyl)ether	40 ug/l	79.3	35.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Bis(2-chloroisopropyl)ether	40 ug/l	84.1	25.0-130			B8973	16May14 1023 by 301	16May14 1555 by 301		
Bis(2-ethylhexyl)phthalate	40 ug/l	107	40.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
4-Bromophenyl phenyl ether	40 ug/l	74.0	50.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Butylbenzyl phthalate	40 ug/l	98.3	45.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
2-Chloronaphthalene	40 ug/l	74.9	50.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
2-Chlorophenol	40 ug/l	77.1	35.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
4-Chlorophenyl phenyl ether	40 ug/l	76.8	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Chrysene	40 ug/l	81.0	55.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Di-n-butyl phthalate	40 ug/l	95.2	55.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Di-n-octyl phthalate	40 ug/l	95.5	35.0-135			B8973	16May14 1023 by 301	16May14 1555 by 301		
Dibenz(a,h)anthracene	40 ug/l	83.5	40.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
1,2-Dichlorobenzene	40 ug/l	73.8	35.0-100			B8973	16May14 1023 by 301	16May14 1555 by 301		
1,3-Dichlorobenzene	40 ug/l	74.3	30.0-100			B8973	16May14 1023 by 301	16May14 1555 by 301		
1,4-Dichlorobenzene	40 ug/l	72.7	30.0-100			B8973	16May14 1023 by 301	16May14 1555 by 301		
3,3'-Dichlorobenzidine	40 ug/l	56.7	20.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4-Dichlorophenol	40 ug/l	72.3	50.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
Diethyl phthalate	40 ug/l	88.8	40.0-120			B8973	16May14 1023 by 301	16May14 1555 by 301		
Dimethyl phthalate	40 ug/l	83.2	25.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4-Dimethylphenol	40 ug/l	65.4	30.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
4,6-Dinitro-o-cresol	40 ug/l	66.2	40.0-130			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4-Dinitrophenol	40 ug/l	35.8	15.0-140			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4-Dinitrotoluene	40 ug/l	80.2	50.0-120			B8973	16May14 1023 by 301	16May14 1555 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
Base/Neutral and Acid Compounds (Continued)										
2,6-Dinitrotoluene	40 ug/l	78.8	50.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
1,2-Diphenylhydrazine	40 ug/l	79.0	55.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Fluoranthene	40 ug/l	91.0	55.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Fluorene	40 ug/l	79.8	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Hexachlorobenzene	40 ug/l	74.2	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Hexachlorobutadiene	40 ug/l	75.8	25.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
Hexachlorocyclopentadiene	40 ug/l	80.4	35.0-102			B8973	16May14 1023 by 301	16May14 1555 by 301		
Hexachloroethane	40 ug/l	79.2	30.0-100			B8973	16May14 1023 by 301	16May14 1555 by 301		
Indeno(1,2,3-cd)pyrene	40 ug/l	83.5	45.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
Isophorone	40 ug/l	77.7	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
n-Nitrosodi-n-propylamine	40 ug/l	82.5	35.0-130			B8973	16May14 1023 by 301	16May14 1555 by 301		
n-Nitrosodimethylamine	40 ug/l	70.0	25.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
n-Nitrosodiphenylamine	40 ug/l	71.4	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Naphthalene	40 ug/l	76.6	40.0-100			B8973	16May14 1023 by 301	16May14 1555 by 301		
Nitrobenzene	40 ug/l	78.6	45.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
2-Nitrophenol	40 ug/l	75.4	40.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
4-Nitrophenol	40 ug/l	59.1	0.00-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
p-Chloro-m-cresol	40 ug/l	78.8	45.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Pentachlorophenol	40 ug/l	61.4	40.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Phenanthrene	40 ug/l	80.3	50.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Phenol	40 ug/l	48.1	0.00-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Pyrene	40 ug/l	66.4	50.0-130			B8973	16May14 1023 by 301	16May14 1555 by 301		
1,2,4-Trichlorobenzene	40 ug/l	71.3	35.0-105			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4,6-Trichlorophenol	40 ug/l	75.3	50.0-115			B8973	16May14 1023 by 301	16May14 1555 by 301		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	40 ug/l	80.7	50.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
2-Fluorophenol	40 ug/l	64.0	20.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Nitrobenzene-D5	40 ug/l	81.0	40.0-110			B8973	16May14 1023 by 301	16May14 1555 by 301		
Terphenyl-D14	40 ug/l	75.2	50.0-135			B8973	16May14 1023 by 301	16May14 1555 by 301		
2,4,6-Tribromophenol	40 ug/l	76.7	40.0-125			B8973	16May14 1023 by 301	16May14 1555 by 301		
Volatile Organic Compounds										
Acrolein	100 ug/l	89.9	33.0-154			V8518	16May14 0900 by 301	16May14 0919 by 301		
Acrylonitrile	100 ug/l	78.7	64.4-133			V8518	16May14 0900 by 301	16May14 0919 by 301		
Benzene	20 ug/l	92.9	80.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		
Bromodichloromethane	20 ug/l	90.2	75.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		
Bromoform	20 ug/l	85.2	70.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
Bromomethane	20 ug/l	101	30.0-145			V8518	16May14 0900 by 301	16May14 0919 by 301		
Carbon tetrachloride	20 ug/l	91.0	65.0-140			V8518	16May14 0900 by 301	16May14 0919 by 301		
Chlorobenzene	20 ug/l	94.6	80.0-120			V8518	16May14 0900 by 301	16May14 0919 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
Volatile Organic Compounds (Continued)										
Chloroethane	20 ug/l	116	60.0-135			V8518	16May14 0900 by 301	16May14 0919 by 301		
2-Chloroethyl vinyl ether	40 ug/l	104	69.9-126			V8518	16May14 0900 by 301	16May14 0919 by 301		
Chloroform	20 ug/l	86.6	65.0-135			V8518	16May14 0900 by 301	16May14 0919 by 301		
Chloromethane	20 ug/l	82.5	40.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
Dibromochloromethane	20 ug/l	90.2	60.0-135			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,2-Dichlorobenzene	20 ug/l	89.6	70.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,3-Dichlorobenzene	20 ug/l	90.1	75.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,4-Dichlorobenzene	20 ug/l	92.0	75.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,1-Dichloroethane	20 ug/l	92.3	70.0-135			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,2-Dichloroethane	20 ug/l	105	70.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,1-Dichloroethene	20 ug/l	97.6	70.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
trans-1,2-Dichloroethene	20 ug/l	91.2	60.0-140			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,2-Dichloropropane	20 ug/l	103	75.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
cis-1,3-Dichloropropene	20 ug/l	90.3	70.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
trans-1,3-Dichloropropene	20 ug/l	90.5	55.0-140			V8518	16May14 0900 by 301	16May14 0919 by 301		
Ethylbenzene	20 ug/l	92.4	75.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
Methylene chloride	20 ug/l	81.8	55.0-140			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,1,2,2-Tetrachloroethane	20 ug/l	88.8	65.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
Tetrachloroethene	20 ug/l	94.1	45.0-150			V8518	16May14 0900 by 301	16May14 0919 by 301		
Toluene	20 ug/l	95.6	75.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,1,1-Trichloroethane	20 ug/l	90.8	65.0-130			V8518	16May14 0900 by 301	16May14 0919 by 301		
1,1,2-Trichloroethane	20 ug/l	89.6	75.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
Trichloroethene	20 ug/l	98.9	70.0-125			V8518	16May14 0900 by 301	16May14 0919 by 301		
Vinyl chloride	20 ug/l	105	50.0-145			V8518	16May14 0900 by 301	16May14 0919 by 301		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	50 ug/l	103	75.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		
Dibromofluoromethane	50 ug/l	95.6	85.0-115			V8518	16May14 0900 by 301	16May14 0919 by 301		
Toluene-D8	50 ug/l	104	85.0-120			V8518	16May14 0900 by 301	16May14 0919 by 301		

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Cadmium	178694-1	5 mg/l	112	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	5 mg/l	112	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.107	20.0	S36803				
Chromium	178694-1	0.5 mg/l	106	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	0.5 mg/l	106	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.0593	20.0	S36803				
Copper	178694-1	0.5 mg/l	99.8	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	0.5 mg/l	99.8	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.0236	20.0	S36803				
Lead	178694-1	5 mg/l	109	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	5 mg/l	109	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.117	20.0	S36803				
Nickel	178694-1	0.5 mg/l	104	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	0.5 mg/l	105	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.171	20.0	S36803				
Silver	178694-1	0.1 mg/l	49.3	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		Q
	178694-1	0.1 mg/l	45.3	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		Q
	Relative Percent Difference:		8.58	20.0	S36803				
Zinc	178694-1	0.5 mg/l	107	75.0-125	S36803	16May14 0836 by 285	19May14 1054 by 305		
	178694-1	0.5 mg/l	108	75.0-125	S36803	16May14 0836 by 285	19May14 1058 by 305		
	Relative Percent Difference:		0.302	20.0	S36803				

Base/Neutral and Acid Compounds

Acenaphthene	178667-1	40 ug/l	79.7	45.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	89.8	45.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		11.9	30.0	B8973				D
Acenaphthylene	178667-1	40 ug/l	81.9	50.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	91.4	50.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		11.0	30.0	B8973				D
Anthracene	178667-1	40 ug/l	82.0	55.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	95.8	55.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		15.6	30.0	B8973				D
Benzidine	178667-1	100 ug/l	4.02	0.00-47.0	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	100 ug/l	2.38	0.00-47.0	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		51.2	166	B8973				D
Benzo(a)anthracene	178667-1	40 ug/l	83.4	55.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	89.4	55.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.89	30.0	B8973				D
Benzo(a)pyrene	178667-1	40 ug/l	84.8	55.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	90.8	55.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.86	30.0	B8973				D
Benzo(g,h,i)perylene	178667-1	40 ug/l	75.8	40.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	84.7	40.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		11.1	30.0	B8973				D
Benzo(k)fluoranthene	178667-1	40 ug/l	83.8	45.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	91.5	45.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.76	30.0	B8973				D
3,4-Benzofluoranthene	178667-1	40 ug/l	84.3	45.0-120	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	93.4	45.0-120	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		10.3	30.0	B8973				D

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Bis(2-chloroethoxy)methane	178667-1	40 ug/l	78.6	45.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	95.5	45.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		19.4	30.0	B8973				
Bis(2-chloroethyl)ether	178667-1	40 ug/l	85.5	35.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	91.8	35.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		7.08	30.0	B8973				
Bis(2-chloroisopropyl)ether	178667-1	40 ug/l	90.1	25.0-130	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	94.2	25.0-130	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		4.48	30.0	B8973				
Bis(2-ethylhexyl)phthalate	178667-1	40 ug/l	110	40.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	119	40.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.28	30.0	B8973				
4-Bromophenyl phenyl ether	178667-1	40 ug/l	73.6	50.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	90.8	50.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		20.9	30.0	B8973				
Butylbenzyl phthalate	178667-1	40 ug/l	101	45.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	110	45.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.22	30.0	B8973				
2-Chloronaphthalene	178667-1	40 ug/l	77.7	50.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	88.6	50.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		13.1	30.0	B8973				
2-Chlorophenol	178667-1	40 ug/l	83.2	35.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	88.4	35.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.03	30.0	B8973				
4-Chlorophenyl phenyl ether	178667-1	40 ug/l	80.0	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	88.4	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		9.97	30.0	B8973				
Chrysene	178667-1	40 ug/l	83.2	55.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	88.7	55.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.37	30.0	B8973				
Di-n-butyl phthalate	178667-1	40 ug/l	101	55.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	110	55.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.17	30.0	B8973				
Di-n-octyl phthalate	178667-1	40 ug/l	95.7	35.0-135	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	116	35.0-135	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		19.2	30.0	B8973				
Dibenz(a,h)anthracene	178667-1	40 ug/l	80.8	40.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	86.7	40.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		7.01	30.0	B8973				
1,2-Dichlorobenzene	178667-1	40 ug/l	80.3	35.0-100	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	85.7	35.0-100	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.57	30.0	B8973				
1,3-Dichlorobenzene	178667-1	40 ug/l	78.1	30.0-100	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	82.8	30.0-100	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		5.87	30.0	B8973				
1,4-Dichlorobenzene	178667-1	40 ug/l	78.7	30.0-100	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	83.2	30.0-100	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		5.59	30.0	B8973				
3,3'-Dichlorobenzidine	178667-1	40 ug/l	64.8	20.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	71.6	20.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		10.0	30.0	B8973				

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)									
2,4-Dichlorophenol	178667-1	40 ug/l	78.4	50.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	93.5	50.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		17.5	30.0	B8973				
Diethyl phthalate	178667-1	40 ug/l	90.8	40.0-120	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	97.2	40.0-120	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.70	30.0	B8973				
Dimethyl phthalate	178667-1	40 ug/l	87.0	25.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	94.9	25.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.74	30.0	B8973				
2,4-Dimethylphenol	178667-1	40 ug/l	68.5	30.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	78.9	30.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.0	30.0	B8973				
4,6-Dinitro-o-cresol	178667-1	40 ug/l	77.7	40.0-130	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	90.6	40.0-130	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		15.3	30.0	B8973				
2,4-Dinitrophenol	178667-1	40 ug/l	62.0	15.0-140	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	71.6	15.0-140	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.5	30.0	B8973				
2,4-Dinitrotoluene	178667-1	40 ug/l	81.8	50.0-120	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	87.0	50.0-120	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		6.22	30.0	B8973				
2,6-Dinitrotoluene	178667-1	40 ug/l	83.7	50.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	91.2	50.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.60	30.0	B8973				
1,2-Diphenylhydrazine	178667-1	40 ug/l	80.6	55.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	98.2	55.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		19.6	30.0	B8973				
Fluoranthene	178667-1	40 ug/l	97.1	55.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	100	55.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		3.09	30.0	B8973				
Fluorene	178667-1	40 ug/l	82.7	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	92.0	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		10.6	30.0	B8973				
Hexachlorobenzene	178667-1	40 ug/l	75.6	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	89.6	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		16.9	30.0	B8973				
Hexachlorobutadiene	178667-1	40 ug/l	77.4	25.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	89.9	25.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.9	30.0	B8973				
Hexachlorocyclopentadiene	178667-1	40 ug/l	81.6	6.60-121	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	93.9	6.60-121	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.0	41.4	B8973				
Hexachloroethane	178667-1	40 ug/l	82.4	30.0-100	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	87.0	30.0-100	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		5.49	30.0	B8973				
Indeno(1,2,3-cd)pyrene	178667-1	40 ug/l	81.6	45.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	88.6	45.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.20	30.0	B8973				

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Isophorone	178667-1	40 ug/l	82.4	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	94.9	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.1	30.0	B8973				
n-Nitrosodi-n-propylamine	178667-1	40 ug/l	87.3	35.0-130	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	92.4	35.0-130	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		5.65	30.0	B8973				
n-Nitrosodimethylamine	178667-1	40 ug/l	74.2	25.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	80.7	25.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		8.33	30.0	B8973				
n-Nitrosodiphenylamine	178667-1	40 ug/l	75.1	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	92.0	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		20.2	30.0	B8973				
Naphthalene	178667-1	40 ug/l	81.3	40.0-100	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	95.2	40.0-100	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		15.7	30.0	B8973				
Nitrobenzene	178667-1	40 ug/l	81.3	45.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	99.0	45.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		19.7	30.0	B8973				
2-Nitrophenol	178667-1	40 ug/l	81.1	40.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	99.8	40.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		20.7	30.0	B8973				
4-Nitrophenol	178667-1	40 ug/l	65.8	0.00-125	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	62.4	0.00-125	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		5.30	30.0	B8973				
p-Chloro-m-cresol	178667-1	40 ug/l	82.2	45.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	97.5	45.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		17.0	30.0	B8973				
Pentachlorophenol	178667-1	40 ug/l	81.3	40.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	85.2	40.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		4.74	30.0	B8973				
Phenanthrene	178667-1	40 ug/l	81.8	50.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	94.8	50.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.7	30.0	B8973				
Phenol	178667-1	40 ug/l	49.5	0.00-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	55.7	0.00-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		11.8	30.0	B8973				
Pyrene	178667-1	40 ug/l	69.0	50.0-130	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	79.3	50.0-130	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		13.9	30.0	B8973				
1,2,4-Trichlorobenzene	178667-1	40 ug/l	75.8	35.0-105	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	90.6	35.0-105	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		17.7	30.0	B8973				
2,4,6-Trichlorophenol	178667-1	40 ug/l	80.5	50.0-115	B8973	16May14 1023 by 301	16May14 1631 by 301	10	D
	178667-1	40 ug/l	93.4	50.0-115	B8973	16May14 1023 by 301	16May14 1707 by 301	10	D
	Relative Percent Difference:		14.8	30.0	B8973				
Base/Neutral and Acid Compounds Surrogates:									
2-Fluorobiphenyl	178667-1	40 ug/l	83.1	50.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301		
	178667-1	40 ug/l	94.4	50.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301		
2-Fluorophenol	178667-1	40 ug/l	69.2	20.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301		
	178667-1	40 ug/l	75.3	20.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301		

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)									
Base/Neutral and Acid Compounds Surrogates:									
Nitrobenzene-D5	178667-1	40 ug/l	85.2	40.0-110	B8973	16May14 1023 by 301	16May14 1631 by 301		
	178667-1	40 ug/l	106	40.0-110	B8973	16May14 1023 by 301	16May14 1707 by 301		
Terphenyl-D14	178667-1	40 ug/l	76.1	50.0-135	B8973	16May14 1023 by 301	16May14 1631 by 301		
	178667-1	40 ug/l	88.4	50.0-135	B8973	16May14 1023 by 301	16May14 1707 by 301		
2,4,6-Tribromophenol	178667-1	40 ug/l	84.1	40.0-125	B8973	16May14 1023 by 301	16May14 1631 by 301		
	178667-1	40 ug/l	93.2	40.0-125	B8973	16May14 1023 by 301	16May14 1707 by 301		
Volatile Organic Compounds									
Acrolein	178667-1	100 ug/l	71.4	35.9-146	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Acrylonitrile	178667-1	100 ug/l	118	44.6-140	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Benzene	178667-1	20 ug/l	108	80.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Bromodichloromethane	178667-1	20 ug/l	103	75.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Bromoform	178667-1	20 ug/l	95.2	70.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Bromomethane	178667-1	20 ug/l	109	30.0-145	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Carbon tetrachloride	178667-1	20 ug/l	109	65.0-140	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Chlorobenzene	178667-1	20 ug/l	109	80.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Chloroethane	178667-1	20 ug/l	133	60.0-135	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
2-Chloroethyl vinyl ether	178667-1	40 ug/l	116	37.9-154	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Chloroform	178667-1	20 ug/l	99.8	65.0-135	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Chloromethane	178667-1	20 ug/l	93.5	40.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Dibromochloromethane	178667-1	20 ug/l	103	60.0-135	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,2-Dichlorobenzene	178667-1	20 ug/l	106	70.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,3-Dichlorobenzene	178667-1	20 ug/l	108	75.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,4-Dichlorobenzene	178667-1	20 ug/l	108	75.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,1-Dichloroethane	178667-1	20 ug/l	102	70.0-135	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,2-Dichloroethane	178667-1	20 ug/l	120	70.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,1-Dichloroethene	178667-1	20 ug/l	117	70.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
trans-1,2-Dichloroethene	178667-1	20 ug/l	106	60.0-140	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,2-Dichloropropane	178667-1	20 ug/l	119	75.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
cis-1,3-Dichloropropene	178667-1	20 ug/l	105	70.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
trans-1,3-Dichloropropene	178667-1	20 ug/l	105	55.0-140	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Ethylbenzene	178667-1	20 ug/l	108	75.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Methylene chloride	178667-1	20 ug/l	81.6	55.0-140	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,1,2,2-Tetrachloroethane	178667-1	20 ug/l	101	65.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Tetrachloroethene	178667-1	20 ug/l	111	45.0-150	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Toluene	178667-1	20 ug/l	111	75.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,1,1-Trichloroethane	178667-1	20 ug/l	107	65.0-130	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
1,1,2-Trichloroethane	178667-1	20 ug/l	104	75.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Trichloroethene	178667-1	20 ug/l	112	70.0-125	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Vinyl chloride	178667-1	20 ug/l	125	50.0-145	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D



Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

MATRIX SPIKE SAMPLE RESULTS

<u>Analyte</u>	<u>Sample</u>	<u>Spike Amount</u>	<u>%</u>	<u>Limits</u>	<u>Batch</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Dil</u>	<u>Qual</u>
Volatile Organic Compounds (Continued)									
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	178667-1	50 ug/l	102	75.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Dibromofluoromethane	178667-1	50 ug/l	95.5	85.0-115	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D
Toluene-D8	178667-1	50 ug/l	103	85.0-120	V8518	16May14 0900 by 301	16May14 1034 by 301	100	D

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Cadmium	< 0.004 mg/l	0.004	0.004	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Chromium	< 0.007 mg/l	0.007	0.007	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Copper	< 0.006 mg/l	0.006	0.006	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Lead	< 0.04 mg/l	0.04	0.04	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Nickel	< 0.01 mg/l	0.01	0.01	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Silver	< 0.007 mg/l	0.007	0.007	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Zinc	< 0.002 mg/l	0.002	0.002	S36803-1	16May14 0836 by 285	19May14 1044 by 305	
Base/Neutral and Acid Compounds							
Acenaphthene	< 0.83 ug/l	0.83	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Acenaphthylene	< 0.79 ug/l	0.79	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Anthracene	< 1.5 ug/l	1.5	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Benzidine	< 14 ug/l	14	25	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Benzo(a)anthracene	< 0.75 ug/l	0.75	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Benzo(a)pyrene	< 0.63 ug/l	0.63	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Benzo(g,h,i)perylene	< 0.79 ug/l	0.79	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Benzo(k)fluoranthene	< 1.6 ug/l	1.6	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
3,4-Benzofluoranthene	< 1.4 ug/l	1.4	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Bis(2-chloroethoxy)methane	< 0.80 ug/l	0.80	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Bis(2-chloroethyl)ether	< 0.88 ug/l	0.88	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Bis(2-chloroisopropyl)ether	< 0.94 ug/l	0.94	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Bis(2-ethylhexyl)phthalate	< 3.8 ug/l	3.8	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
4-Bromophenyl phenyl ether	< 1.2 ug/l	1.2	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Butylbenzyl phthalate	< 1.5 ug/l	1.5	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2-Chloronaphthalene	< 0.84 ug/l	0.84	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2-Chlorophenol	< 2.1 ug/l	2.1	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
4-Chlorophenyl phenyl ether	< 0.96 ug/l	0.96	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Chrysene	< 0.83 ug/l	0.83	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Di-n-butyl phthalate	< 1.1 ug/l	1.1	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Di-n-octyl phthalate	< 0.70 ug/l	0.70	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Dibenz(a,h)anthracene	< 1.2 ug/l	1.2	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
3,3'-Dichlorobenzidine	< 4.9 ug/l	4.9	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4-Dichlorophenol	< 0.51 ug/l	0.51	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Diethyl phthalate	< 0.85 ug/l	0.85	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Dimethyl phthalate	< 0.93 ug/l	0.93	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4-Dimethylphenol	< 0.79 ug/l	0.79	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
4,6-Dinitro-o-cresol	< 0.75 ug/l	0.75	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4-Dinitrophenol	< 0.74 ug/l	0.74	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4-Dinitrotoluene	< 0.51 ug/l	0.51	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,6-Dinitrotoluene	< 0.83 ug/l	0.83	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
1,2-Diphenylhydrazine	< 0.60 ug/l	0.60	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Fluoranthene	< 0.96 ug/l	0.96	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Fluorene	< 0.99 ug/l	0.99	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Hexachlorobenzene	< 1.1 ug/l	1.1	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Hexachlorobutadiene	< 0.71 ug/l	0.71	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Hexachlorocyclopentadiene	< 0.74 ug/l	0.74	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Hexachloroethane	< 0.73 ug/l	0.73	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Indeno(1,2,3-cd)pyrene	< 1.2 ug/l	1.2	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Isophorone	< 0.90 ug/l	0.90	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
n-Nitrosodi-n-propylamine	< 0.90 ug/l	0.90	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
n-Nitrosodimethylamine	< 2.5 ug/l	2.5	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	

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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
n-Nitrosodiphenylamine	< 1.1 ug/l	1.1	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	R
Naphthalene	< 0.87 ug/l	0.87	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Nitrobenzene	< 0.85 ug/l	0.85	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2-Nitrophenol	< 0.82 ug/l	0.82	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
4-Nitrophenol	< 0.70 ug/l	0.70	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
p-Chloro-m-cresol	< 1.7 ug/l	1.7	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Pentachlorophenol	< 0.94 ug/l	0.94	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Phenanthrene	< 0.93 ug/l	0.93	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Phenol	< 2.6 ug/l	2.6	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Pyrene	< 0.56 ug/l	0.56	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
1,2,4-Trichlorobenzene	< 0.87 ug/l	0.87	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4,6-Trichlorophenol	< 1.4 ug/l	1.4	5.0	B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (50.0-110%)	70.8 %			B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2-Fluorophenol (20.0-110%)	53.0 %			B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Nitrobenzene-D5 (40.0-110%)	70.6 %			B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Terphenyl-D14 (50.0-135%)	60.1 %			B8973-1	16May14 1023 by 301	16May14 1520 by 301	
2,4,6-Tribromophenol (40.0-125%)	48.0 %			B8973-1	16May14 1023 by 301	16May14 1520 by 301	
Volatile Organic Compounds							
Acrolein	< 0.78 ug/l	0.78	25	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Acrylonitrile	< 0.63 ug/l	0.63	25	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Benzene	< 0.12 ug/l	0.12	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Bromoform	< 0.26 ug/l	0.26	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Carbon tetrachloride	< 0.21 ug/l	0.21	2.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Chlorobenzene	< 0.11 ug/l	0.11	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Chlorodibromomethane	< 0.11 ug/l	0.11	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Chloroethane	< 0.35 ug/l	0.35	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
2-Chloroethyl vinyl ether	< 0.24 ug/l	0.24	10	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Chloroform	< 0.16 ug/l	0.16	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,2-Dichlorobenzene	< 0.17 ug/l	0.17	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,3-Dichlorobenzene	< 0.14 ug/l	0.14	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,4-Dichlorobenzene	< 0.19 ug/l	0.19	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Dichlorobromomethane	< 0.17 ug/l	0.17	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,1-Dichloroethane	< 0.15 ug/l	0.15	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,2-Dichloroethane	< 0.21 ug/l	0.21	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,1-Dichloroethylene	< 0.24 ug/l	0.24	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
trans-1,2-Dichloroethylene	< 0.20 ug/l	0.20	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,2-Dichloropropane	< 0.19 ug/l	0.19	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
cis-1,3-Dichloropropylene	< 0.14 ug/l	0.14	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
trans-1,3-Dichloropropylene	< 0.20 ug/l	0.20	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Ethylbenzene	< 0.12 ug/l	0.12	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Methyl bromide(Bromomethane)	< 0.16 ug/l	0.16	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Methyl chloride(Chloromethane)	< 0.19 ug/l	0.19	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Methylene chloride	< 0.25 ug/l	0.25	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,1,2,2-Tetrachloroethane	< 0.20 ug/l	0.20	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Tetrachloroethylene	< 0.18 ug/l	0.18	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Toluene	< 0.16 ug/l	0.16	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,1,1-Trichloroethane	< 0.13 ug/l	0.13	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
1,1,2-Trichloroethane	< 0.19 ug/l	0.19	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	



Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

LABORATORY BLANK RESULTS

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>PQL</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Volatile Organic Compounds							
Trichloroethylene	< 0.22 ug/l	0.22	5.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Vinyl chloride	< 0.47 ug/l	0.47	2.0	V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (75.0-120%)	101 %			V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Dibromofluoromethane (85.0-115%)	94.5 %			V8518-1	16May14 0900 by 301	16May14 1149 by 301	
Toluene-D8 (85.0-120%)	104 %			V8518-1	16May14 0900 by 301	16May14 1149 by 301	

Arkansas Testing Laboratories

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

INTIMIDATORS

Collection Date: May 14, 2014

Collection Time: 10:10 AM

Collected By: BET

Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin Date / Time	Analysis End Date / Time	Results	Unit	Loading lb/dy	Analyst	% Spike	Rel %	Sample Type	Ref #
pH	05/14 10:10 AM	NA	7.81	S.U.	NA	BET	NA	0.00	Grab	4
Cyanide	05/19 8:00 AM	NA	< 0.01	mg/l	NA	KLB	94.3	0.00	Grab	5


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 H₂SO₄ to pH₂: Oil & Grease, Ammonia, COD

References:

Analysis complies with 40 CFR Part 136:

1. SM 5210 B
2. SM 2540 D
3. SM 9222 D
4. SM 4500-HB
5. SM 4500-Cl-E
6. SM 4500-OG


Neville Adams, Manager