

Gage, Hannah

From: Johnson, Lindsay
Sent: Monday, June 12, 2017 8:56 AM
To: 'Randel Davis'
Cc: wwsuper@cityofbatesville.com; Yates, Adam; Leamons, Bryan; McWilliams, Carrie; Gage, Hannah
Subject: AR0020702_Bad Boys ARP001027 outfalls 1 and 2 June 2017 semi annual Pretreatment reports_20170612
Attachments: Arkansas Testing Lab_20170308_095724 (2).pdf; Bad Boy Mowers #2 (2).pdf; rd-2-06092017094359 (2).pdf; rd-06092017094325 (2).pdf

Randel,

Bad Boy's June 2017 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.

No further action is deemed necessary at this time.

Thank you,

*Lindsay Johnson
NPDES Staff Engineer
ADEQ-Office of Water Quality
(501)682-0045*

From: Randel Davis [<mailto:randel.davis@badboymowers.com>]
Sent: Friday, June 09, 2017 10:19 AM
To: Yates, Adam
Cc: Johnson, Lindsay; wwsuper@cityofbatesville.com
Subject: Semi Annual Report

Thanks

Randel Davis

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: February 24, 2017

2:55 PM

Collection Place: #1

Collected By: BET

Wastewater Analysis

Parameter	Date / Time Begin	Date / Time End	Results	Unit	Ldg (lbs/dy)	Analyst	% Spike	Rel %	Sample Type	Ref #
Cadmium	02/28 11:40 AM	NA	< 0.004	mg/l	NA	KLB	111.5	0.00	Grab	1
Chromium	02/28 11:40 AM	NA	0.024	mg/l	NA	KLB	112.2	4.26	Grab	1
Copper	02/28 11:40 AM	NA	< 0.01	mg/l	NA	KLB	107.3	0.00	Grab	1
Lead	02/28 11:40 AM	NA	< 0.05	mg/l	NA	KLB	107.3	0.00	Grab	1
Nickel	02/28 11:40 AM	NA	0.074	97.1	NA	KLB	107.7	6.54	Grab	1
Silver	02/28 11:40 AM	NA	< 0.01	mg/l	NA	KLB	102.0	0.00	Grab	1
Zinc	02/28 11:40 AM	NA	0.080	mg/l	NA	KLB	113.1	0.00	Grab	1
Volatiles & Semi Volatiles	Control # 210495	AI results attached							CALC	2
pH	02/24 2:56 PM	NA	7.49	S.U.	NA	BET	NA	0.13	GRAB	3
Cyanide, Total	03/06 1:30 PM	NA	< 0.01	mg/l	NA	KLB	98.4	0.00	GRAB	4

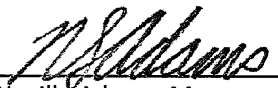
Quality Assurance: All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies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

Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂; Oil & Grease, Ammonia, COD

References:

Analysis complies with 40 CFR Part 136:

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


 Neville Adams, Manager

Arkansas Testing Laboratories

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 arkatl@sbcglobal.net

NPDES Wastewater Monitoring
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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: Bad Boy Mowers #1										PARAMETERS											
										# = no of bottles Q, L, H = Qrt, Ltr, Half Gal P, G = Plastic, Glass											
										CALIBRATION				PRESERVATIVES							
										pH / DO #		12796		NP-Iced		HCl		NaOH		HNO3	
SAMPLE TYPE										pH				Semi-vol		Volatiles		Cyanide		Metals	
EFF										2.56				1-L-G		2-40-G		1-L-P		1-L-P	
W										7.49											
SAMPLED BY: <i>bst</i>																					
DATE: 2-24-17										TIME: 2:55											
Grab / Comp										Grab											
W=H2O																					
S=SLUDGE																					
D=SOIL																					
C=WELL																					

Comments:

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by: <i>BT Temple</i> (Into the Lab)	Date/Time: 2-24-17 4:15

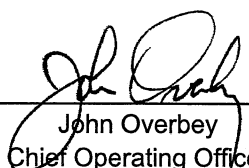


Arkansas Testing Laboratories
ATTN: Ms. Lorrie Barbee
3301 Langley Drive
Searcy, AR 72143

This report contains the analytical results and supporting information for the sample submitted on March 1, 2017. 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.



John Overbey
Chief Operating Officer

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 March 1, 2017
2493
P.O. No. 2493

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

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>
210495-1	Sample #1	24-Feb-2017 1455	

Qualifiers:

- D Result is from a secondary dilution factor
- H Analytical holding time exceeded regulatory requirements
- 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. 210495-1

Sample Identification: Sample #1 24-Feb-2017 1455

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625				
Acenaphthene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Acenaphthylene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Benzidine EPA 625	< 25	25	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Benzo(a)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Benzo(a)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Benzo(g,h,i)perylene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Benzo(k)fluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
3,4-Benzofluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Bis(2-chloroethoxy)methane EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Bis(2-chloroethyl)ether EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Bis(2-chloroisopropyl)ether EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Bis(2-ethylhexyl)phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
4-Bromophenyl phenyl ether EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Butylbenzyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2-Chloronaphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2-Chlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
4-Chlorophenyl phenyl ether EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Chrysene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Di-n-butyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	

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Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 210495-1 (Continued)

Sample Identification: Sample #1 24-Feb-2017 1455

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Di-n-octyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Dibenz(a,h)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
3,3'-Dichlorobenzidine EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,4-Dichlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Diethyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Dimethyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,4-Dimethylphenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
4,6-Dinitro-o-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,4-Dinitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,4-Dinitrotoluene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,6-Dinitrotoluene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
1,2-Diphenylhydrazine EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Fluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Fluorene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Hexachlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Hexachlorobutadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Hexachlorocyclopentadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Hexachloroethane EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Indeno(1,2,3-cd)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Isophorone EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	

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 Searcy, AR 72143

ANALYTICAL RESULTS
AIC No. 210495-1 (Continued)
Sample Identification: Sample #1 24-Feb-2017 1455

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
n-Nitrosodi-n-propylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
n-Nitrosodimethylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
n-Nitrosodiphenylamine EPA 625	< 5.0	5.0	ug/l	R
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Naphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Nitrobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
4-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
p-Chloro-m-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Pentachlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Phenanthrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Phenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
1,2,4-Trichlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
2,4,6-Trichlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	85.7		%	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	30.0		%	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	82.5		%	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	94.2		%	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	40.2		%	
Prep: 03-Mar-2017 0855 by 320	Analyzed: 03-Mar-2017 2357 by 306		Batch: B10375	
Volatile Organic Compounds By EPA 624				
Acrolein EPA 624	< 25	25	ug/l	H
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 210495-1 (Continued)

Sample Identification: Sample #1 24-Feb-2017 1455

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)				
Acrylonitrile EPA 624	< 25	25	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Benzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Bromoform EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Carbon tetrachloride EPA 624	< 2.0	2.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Chlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Chlorodibromomethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Chloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
2-Chloroethyl vinyl ether EPA 624	< 10	10	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Chloroform EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,2-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,3-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,4-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Dichlorobromomethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,1-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,2-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,1-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
trans-1,2-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,2-Dichloropropane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
cis-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
trans-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	

Arkansas Testing Laboratories
 3301 Langley Drive
 Searcy, AR 72143

ANALYTICAL RESULTS
AIC No. 210495-1 (Continued)
Sample Identification: Sample #1 24-Feb-2017 1455

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)				
Ethylbenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Methyl bromide(Bromomethane) EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Methyl chloride(Chloromethane) EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Methylene chloride EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,1,2,2-Tetrachloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Tetrachloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Toluene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 02-Mar-2017 2144 by 306		Batch: V9145	
1,1,1-Trichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
1,1,2-Trichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Trichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Vinyl chloride EPA 624	< 2.0	2.0	ug/l	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Surrogate: 4-Bromofluorobenzene (75.0-120%) EPA 624	96.5		%	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Surrogate: Dibromofluoromethane (85.0-115%) EPA 624	95.3		%	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	
Surrogate: Toluene-D8 (85.0-120%) EPA 624	100		%	
Prep: 01-Mar-2017 1323 by 306	Analyzed: 01-Mar-2017 2314 by 306		Batch: V9145	

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Searcy, AR 72143

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds								
TCLP: 1,1,2,2-Tetrachloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,1,1-Trichloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,1,2-Trichloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,2-Dichlorobenzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,3-Dichlorobenzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,4-Dichlorobenzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,1-Dichloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,2-Dichloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,1-Dichloroethylene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 1,2-Dichloropropane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 2-Chloroethyl vinyl ether	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Acrolein	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Acrylonitrile	210364-1	0.59 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		0.56 mg/l	4.52	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Benzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Bromodichloromethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Bromoform	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Bromomethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Carbon tetrachloride	210364-1	< 0.20 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.20 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Chlorobenzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Chloroethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Chloroform	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Chloromethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: cis-1,3-Dichloropropene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145 Duplicate		< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D



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DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
TCLP: Dibromochloromethane	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Ethylbenzene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Methylene chloride	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Tetrachloroethylene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Toluene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: trans-1,2-Dichloroethene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: trans-1,3-Dichloropropene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Trichloroethylene	210364-1	< 0.50 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.50 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Vinyl chloride	210364-1	< 0.20 mg/l			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	< 0.20 mg/l	0.00	30.0	01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: 4-Bromofluorobenzene (75.0-120%)	210364-1	99.5 %			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	99.4 %			01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Dibromofluoromethane (85.0-115%)	210364-1	98.3 %			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	97.5 %			01Mar17 0825 by 306	01Mar17 2129 by 306	100	D
TCLP: Toluene-D8 (85.0-120%)	210364-1	101 %			01Mar17 0824 by 306	01Mar17 2054 by 306	100	D
Batch: V9145	Duplicate	102 %			01Mar17 0825 by 306	01Mar17 2129 by 306	100	D

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds										
Acenaphthene	40 ug/l	85.4	45.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Acenaphthylene	40 ug/l	88.5	50.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Anthracene	40 ug/l	85.6	55.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Benzidine	100 ug/l	25.8	0.00-72.5			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Benzo(a)anthracene	40 ug/l	90.8	55.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Benzo(a)pyrene	40 ug/l	86.9	55.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Benzo(g,h,i)perylene	40 ug/l	74.5	40.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Benzo(k)fluoranthene	40 ug/l	98.5	45.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
3,4-Benzofluoranthene	40 ug/l	99.0	45.0-120			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Bis(2-chloroethoxy)methane	40 ug/l	78.8	45.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Bis(2-chloroethyl)ether	40 ug/l	83.1	35.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Bis(2-chloroisopropyl)ether	40 ug/l	83.7	25.0-130			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Bis(2-ethylhexyl)phthalate	40 ug/l	71.0	40.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
4-Bromophenyl phenyl ether	40 ug/l	82.4	50.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Butylbenzyl phthalate	40 ug/l	65.5	45.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2-Chloronaphthalene	40 ug/l	79.0	50.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2-Chlorophenol	40 ug/l	82.7	35.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
4-Chlorophenyl phenyl ether	40 ug/l	79.4	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Chrysene	40 ug/l	90.9	55.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Di-n-butyl phthalate	40 ug/l	73.9	55.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Di-n-octyl phthalate	40 ug/l	89.1	35.0-135			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Dibenz(a,h)anthracene	40 ug/l	74.8	40.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
1,2-Dichlorobenzene	40 ug/l	66.4	35.0-100			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
1,3-Dichlorobenzene	40 ug/l	62.0	30.0-100			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
1,4-Dichlorobenzene	40 ug/l	63.2	30.0-100			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
3,3'-Dichlorobenzidine	40 ug/l	32.4	20.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4-Dichlorophenol	40 ug/l	76.6	50.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Diethyl phthalate	40 ug/l	90.0	40.0-120			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Dimethyl phthalate	40 ug/l	88.5	25.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4-Dimethylphenol	40 ug/l	32.3	30.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
4,6-Dinitro-o-cresol	40 ug/l	53.5	40.0-130			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4-Dinitrophenol	40 ug/l	31.0	15.0-140			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4-Dinitrotoluene	40 ug/l	78.9	50.0-120			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,6-Dinitrotoluene	40 ug/l	89.0	50.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
1,2-Diphenylhydrazine	40 ug/l	83.2	55.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Fluoranthene	40 ug/l	90.5	55.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Fluorene	40 ug/l	87.0	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Hexachlorobenzene	40 ug/l	82.7	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Hexachlorobutadiene	40 ug/l	54.7	25.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Hexachlorocyclopentadiene	40 ug/l	64.9	43.6-95.2			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
Hexachloroethane	40 ug/l	54.6	30.0-100			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Indeno(1,2,3-cd)pyrene	40 ug/l	75.9	45.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Isophorone	40 ug/l	84.1	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
n-Nitrosodi-n-propylamine	40 ug/l	82.0	35.0-130			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
n-Nitrosodimethylamine	40 ug/l	50.1	25.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
n-Nitrosodiphenylamine	40 ug/l	83.6	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Naphthalene	40 ug/l	75.0	40.0-100			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Nitrobenzene	40 ug/l	80.0	45.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2-Nitrophenol	40 ug/l	67.3	40.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
4-Nitrophenol	40 ug/l	36.3	0.00-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
p-Chloro-m-cresol	40 ug/l	70.5	45.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Pentachlorophenol	40 ug/l	46.1	40.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Phenanthrene	40 ug/l	89.0	50.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Phenol	40 ug/l	48.6	0.00-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Pyrene	40 ug/l	79.2	50.0-130			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
1,2,4-Trichlorobenzene	40 ug/l	65.6	35.0-105			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4,6-Trichlorophenol	40 ug/l	80.4	50.0-115			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	40 ug/l	84.9	50.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2-Fluorophenol	40 ug/l	64.2	20.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Nitrobenzene-D5	40 ug/l	83.4	40.0-110			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Terphenyl-D14	40 ug/l	78.7	50.0-135			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
2,4,6-Tribromophenol	40 ug/l	62.5	40.0-125			B10375	03Mar17 0854 by 320	03Mar17 2129 by 306		
Volatile Organic Compounds										
Acrolein	100 ug/l	105	56.1-129			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Acrylonitrile	100 ug/l	101	60.7-145			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Benzene	20 ug/l	102	80.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Bromodichloromethane	20 ug/l	96.3	75.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Bromoform	20 ug/l	99.6	70.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Bromomethane	20 ug/l	99.2	30.0-145			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Carbon tetrachloride	20 ug/l	95.2	65.0-140			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Chlorobenzene	20 ug/l	101	80.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Chloroethane	20 ug/l	99.2	60.0-135			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
2-Chloroethyl vinyl ether	40 ug/l	100	57.8-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Chloroform	20 ug/l	101	65.0-135			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Chloromethane	20 ug/l	107	40.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Dibromochloromethane	20 ug/l	94.4	60.0-135			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,2-Dichlorobenzene	20 ug/l	104	70.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,3-Dichlorobenzene	20 ug/l	104	75.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		



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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)										
1,4-Dichlorobenzene	20 ug/l	103	75.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,1-Dichloroethane	20 ug/l	99.9	70.0-135			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,2-Dichloroethane	20 ug/l	101	70.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,1-Dichloroethene	20 ug/l	106	70.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
trans-1,2-Dichloroethene	20 ug/l	103	60.0-140			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,2-Dichloropropane	20 ug/l	96.6	75.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
cis-1,3-Dichloropropene	20 ug/l	93.4	70.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
trans-1,3-Dichloropropene	20 ug/l	92.6	55.0-140			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Ethylbenzene	20 ug/l	99.8	75.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Methylene chloride	20 ug/l	109	55.0-140			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,1,2,2-Tetrachloroethane	20 ug/l	101	65.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Tetrachloroethene	20 ug/l	97.6	45.0-150			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Toluene	20 ug/l	101	75.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,1,1-Trichloroethane	20 ug/l	93.1	65.0-130			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
1,1,2-Trichloroethane	20 ug/l	97.0	75.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Trichloroethene	20 ug/l	98.1	70.0-125			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Vinyl chloride	20 ug/l	103	50.0-145			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	50 ug/l	100	75.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Dibromofluoromethane	50 ug/l	102	85.0-115			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		
Toluene-D8	50 ug/l	99.7	85.0-120			V9145	01Mar17 0825 by 306	01Mar17 1832 by 306		

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds									
Acenaphthene	210476-1	40 ug/l	94.5	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.0	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.9	30.0	B10375				
Acenaphthylene	210476-1	40 ug/l	96.9	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	86.0	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.9	30.0	B10375				
Anthracene	210476-1	40 ug/l	96.8	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	84.7	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.3	30.0	B10375				
Benzidine	210476-1	100 ug/l	25.8	0.00-45.5	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	100 ug/l	25.7	0.00-45.5	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		0.465	23.3	B10375				
Benzo(a)anthracene	210476-1	40 ug/l	105	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	92.4	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.9	30.0	B10375				
Benzo(a)pyrene	210476-1	40 ug/l	100	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.8	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		17.6	30.0	B10375				
Benzo(g,h,i)perylene	210476-1	40 ug/l	98.8	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	91.8	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		7.40	30.0	B10375				
Benzo(k)fluoranthene	210476-1	40 ug/l	97.4	45.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	88.4	45.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.80	30.0	B10375				
3,4-Benzofluoranthene	210476-1	40 ug/l	100	45.0-120	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	92.8	45.0-120	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		7.92	30.0	B10375				
Bis(2-chloroethoxy)methane	210476-1	40 ug/l	85.8	45.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	78.4	45.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.02	30.0	B10375				
Bis(2-chloroethyl)ether	210476-1	40 ug/l	90.0	35.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	80.6	35.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.0	30.0	B10375				
Bis(2-chloroisopropyl)ether	210476-1	40 ug/l	94.4	25.0-130	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.9	25.0-130	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.7	30.0	B10375				
Bis(2-ethylhexyl)phthalate	210476-1	40 ug/l	101	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	86.0	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		16.1	30.0	B10375				
4-Bromophenyl phenyl ether	210476-1	40 ug/l	92.0	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.2	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		10.1	30.0	B10375				
Butylbenzyl phthalate	210476-1	40 ug/l	98.0	45.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	85.0	45.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		14.1	30.0	B10375				
2-Chloronaphthalene	210476-1	40 ug/l	92.2	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	79.8	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		14.4	30.0	B10375				

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chlorophenol	210476-1	40 ug/l	91.8	35.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	81.9	35.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.3	30.0	B10375				
4-Chlorophenyl phenyl ether	210476-1	40 ug/l	87.9	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	77.9	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.0	30.0	B10375				
Chrysene	210476-1	40 ug/l	101	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	89.3	55.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.0	30.0	B10375				
Di-n-butyl phthalate	210476-1	40 ug/l	100	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	88.1	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.0	30.0	B10375				
Di-n-octyl phthalate	210476-1	40 ug/l	109	35.0-135	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	97.1	35.0-135	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.2	30.0	B10375				
Dibenz(a,h)anthracene	210476-1	40 ug/l	95.6	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	80.2	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		17.6	30.0	B10375				
1,2-Dichlorobenzene	210476-1	40 ug/l	77.0	35.0-100	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	67.8	35.0-100	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.6	30.0	B10375				
1,3-Dichlorobenzene	210476-1	40 ug/l	74.2	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	64.7	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.6	30.0	B10375				
1,4-Dichlorobenzene	210476-1	40 ug/l	75.2	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	66.2	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.8	30.0	B10375				
3,3'-Dichlorobenzidine	210476-1	40 ug/l	41.2	20.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	40.9	20.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		0.670	30.0	B10375				
2,4-Dichlorophenol	210476-1	40 ug/l	91.8	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	81.7	50.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.7	30.0	B10375				
Diethyl phthalate	210476-1	40 ug/l	100	40.0-120	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	90.8	40.0-120	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.87	30.0	B10375				
Dimethyl phthalate	210476-1	40 ug/l	99.1	25.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	86.0	25.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		14.2	30.0	B10375				
2,4-Dimethylphenol	210476-1	40 ug/l	42.9	30.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	50.2	30.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		15.6	30.0	B10375				
4,6-Dinitro-o-cresol	210476-1	40 ug/l	84.6	40.0-130	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	66.8	40.0-130	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		23.6	30.0	B10375				
2,4-Dinitrophenol	210476-1	40 ug/l	84.5	15.0-140	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	68.0	15.0-140	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		21.6	30.0	B10375				
2,4-Dinitrotoluene	210476-1	40 ug/l	92.1	50.0-120	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	79.1	50.0-120	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		15.2	30.0	B10375				

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)									
2,6-Dinitrotoluene	210476-1	40 ug/l	100	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	88.6	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.0	30.0	B10375				
1,2-Diphenylhydrazine	210476-1	40 ug/l	95.0	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	82.4	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		14.2	30.0	B10375				
Fluoranthene	210476-1	40 ug/l	107	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	91.6	55.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		15.3	30.0	B10375				
Fluorene	210476-1	40 ug/l	96.9	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	85.6	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.3	30.0	B10375				
Hexachlorobenzene	210476-1	40 ug/l	91.4	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	80.7	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.5	30.0	B10375				
Hexachlorobutadiene	210476-1	40 ug/l	68.2	25.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	57.4	25.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		17.4	30.0	B10375				
Hexachlorocyclopentadiene	210476-1	40 ug/l	80.0	37.4-97.2	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	69.1	37.4-97.2	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		14.6	30.0	B10375				
Hexachloroethane	210476-1	40 ug/l	69.4	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	58.0	30.0-100	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		17.8	30.0	B10375				
Indeno(1,2,3-cd)pyrene	210476-1	40 ug/l	107	45.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	97.5	45.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.43	30.0	B10375				
Isophorone	210476-1	40 ug/l	91.4	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.4	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.09	30.0	B10375				
n-Nitrosodi-n-propylamine	210476-1	40 ug/l	95.4	35.0-130	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	83.2	35.0-130	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.7	30.0	B10375				
n-Nitrosodimethylamine	210476-1	40 ug/l	59.1	25.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	57.4	25.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		2.92	30.0	B10375				
n-Nitrosodiphenylamine	210476-1	40 ug/l	94.7	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	84.5	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.4	30.0	B10375				
Naphthalene	210476-1	40 ug/l	83.2	40.0-100	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	73.8	40.0-100	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.1	30.0	B10375				
Nitrobenzene	210476-1	40 ug/l	87.9	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	78.5	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.3	30.0	B10375				
2-Nitrophenol	210476-1	40 ug/l	80.1	40.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	72.5	40.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		9.99	30.0	B10375				

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
4-Nitrophenol	210476-1	40 ug/l	53.5	0.00-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	42.2	0.00-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		23.7	30.0	B10375				
p-Chloro-m-cresol	210476-1	40 ug/l	87.3	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	76.2	45.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.5	30.0	B10375				
Pentachlorophenol	210476-1	40 ug/l	75.3	40.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	59.4	40.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		23.5	30.0	B10375				
Phenanthrene	210476-1	40 ug/l	98.6	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	86.2	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.4	30.0	B10375				
Phenol	210476-1	40 ug/l	57.5	0.00-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	50.0	0.00-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		13.9	30.0	B10375				
Pyrene	210476-1	40 ug/l	88.9	50.0-130	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	79.4	50.0-130	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		11.3	30.0	B10375				
1,2,4-Trichlorobenzene	210476-1	40 ug/l	75.2	35.0-105	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	66.4	35.0-105	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.4	30.0	B10375				
2,4,6-Trichlorophenol	210476-1	40 ug/l	100	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306	10	D
	210476-1	40 ug/l	88.6	50.0-115	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306	10	D
	Relative Percent Difference:		12.1	30.0	B10375				
Base/Neutral and Acid Compounds Surrogates:									
2-Fluorobiphenyl	210476-1	40 ug/l	92.2	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306		
	210476-1	40 ug/l	81.8	50.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306		
2-Fluorophenol	210476-1	40 ug/l	73.9	20.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306		
	210476-1	40 ug/l	64.7	20.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306		
Nitrobenzene-D5	210476-1	40 ug/l	91.2	40.0-110	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306		
	210476-1	40 ug/l	81.3	40.0-110	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306		
Terphenyl-D14	210476-1	40 ug/l	89.3	50.0-135	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306		
	210476-1	40 ug/l	79.2	50.0-135	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306		
2,4,6-Tribromophenol	210476-1	40 ug/l	80.0	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2206 by 306		
	210476-1	40 ug/l	68.2	40.0-125	B10375	03Mar17 0854 by 320	03Mar17 2243 by 306		
Volatile Organic Compounds									
Acrolein	210364-1	100 ug/l	43.8	42.5-122	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Acrylonitrile	210364-1	100 ug/l	96.2	56.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Benzene	210364-1	20 ug/l	96.8	80.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Bromodichloromethane	210364-1	20 ug/l	90.4	75.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Bromoform	210364-1	20 ug/l	97.6	70.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Bromomethane	210364-1	20 ug/l	96.6	30.0-145	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Carbon tetrachloride	210364-1	20 ug/l	91.5	65.0-140	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Chlorobenzene	210364-1	20 ug/l	97.6	80.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Chloroethane	210364-1	20 ug/l	95.9	60.0-135	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
2-Chloroethyl vinyl ether	210364-1	40 ug/l	96.1	51.9-127	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Chloroform	210364-1	20 ug/l	96.8	65.0-135	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	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
Volatile Organic Compounds (Continued)									
Chloromethane	210364-1	20 ug/l	105	40.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Dibromochloromethane	210364-1	20 ug/l	92.2	60.0-135	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,2-Dichlorobenzene	210364-1	20 ug/l	99.7	70.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,3-Dichlorobenzene	210364-1	20 ug/l	103	75.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,4-Dichlorobenzene	210364-1	20 ug/l	100	75.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,1-Dichloroethane	210364-1	20 ug/l	96.3	70.0-135	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,2-Dichloroethane	210364-1	20 ug/l	97.7	70.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,1-Dichloroethene	210364-1	20 ug/l	96.9	70.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
trans-1,2-Dichloroethene	210364-1	20 ug/l	98.4	60.0-140	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,2-Dichloropropane	210364-1	20 ug/l	93.5	75.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
cis-1,3-Dichloropropene	210364-1	20 ug/l	90.0	70.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
trans-1,3-Dichloropropene	210364-1	20 ug/l	92.6	55.0-140	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Ethylbenzene	210364-1	20 ug/l	92.3	75.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Methylene chloride	210364-1	20 ug/l	108	55.0-140	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,1,1,2-Tetrachloroethane	210364-1	20 ug/l	101	65.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Tetrachloroethene	210364-1	20 ug/l	88.8	45.0-150	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Toluene	210364-1	20 ug/l	95.9	75.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,1,1-Trichloroethane	210364-1	20 ug/l	89.3	65.0-130	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
1,1,2-Trichloroethane	210364-1	20 ug/l	98.1	75.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Trichloroethene	210364-1	20 ug/l	96.0	70.0-125	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Vinyl chloride	210364-1	20 ug/l	96.6	50.0-145	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	210364-1	50 ug/l	100	75.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Dibromofluoromethane	210364-1	50 ug/l	102	85.0-115	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	100	D
Toluene-D8	210364-1	50 ug/l	98.8	85.0-120	V9145	01Mar17 0825 by 306	01Mar17 1907 by 306	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
Base/Neutral and Acid Compounds							
Acenaphthene	< 0.91 ug/l	0.91	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Acenaphthylene	< 1.6 ug/l	1.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Anthracene	< 1.6 ug/l	1.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Benzidine	< 7.7 ug/l	7.7	25	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Benzo(a)anthracene	< 0.87 ug/l	0.87	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Benzo(a)pyrene	< 1.3 ug/l	1.3	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Benzo(g,h,i)perylene	< 2.1 ug/l	2.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Benzo(k)fluoranthene	< 0.98 ug/l	0.98	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
3,4-Benzofluoranthene	< 0.79 ug/l	0.79	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Bis(2-chloroethoxy)methane	< 1.4 ug/l	1.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Bis(2-chloroethyl)ether	< 0.77 ug/l	0.77	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Bis(2-chloroisopropyl)ether	< 2.5 ug/l	2.5	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Bis(2-ethylhexyl)phthalate	< 3.1 ug/l	3.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
4-Bromophenyl phenyl ether	< 0.63 ug/l	0.63	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Butylbenzyl phthalate	< 1.6 ug/l	1.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2-Chloronaphthalene	< 0.87 ug/l	0.87	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2-Chlorophenol	< 1.0 ug/l	1.0	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
4-Chlorophenyl phenyl ether	< 0.94 ug/l	0.94	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Chrysene	< 1.1 ug/l	1.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Di-n-butyl phthalate	< 1.4 ug/l	1.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Di-n-octyl phthalate	< 3.7 ug/l	3.7	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Dibenz(a,h)anthracene	< 0.93 ug/l	0.93	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
3,3'-Dichlorobenzidine	< 1.2 ug/l	1.2	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4-Dichlorophenol	< 2.3 ug/l	2.3	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Diethyl phthalate	< 2.5 ug/l	2.5	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Dimethyl phthalate	< 1.2 ug/l	1.2	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4-Dimethylphenol	< 2.1 ug/l	2.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
4,6-Dinitro-o-cresol	< 0.65 ug/l	0.65	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4-Dinitrophenol	< 3.0 ug/l	3.0	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4-Dinitrotoluene	< 2.4 ug/l	2.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,6-Dinitrotoluene	< 0.97 ug/l	0.97	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
1,2-Diphenylhydrazine	< 1.5 ug/l	1.5	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Fluoranthene	< 1.6 ug/l	1.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Fluorene	< 1.2 ug/l	1.2	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Hexachlorobenzene	< 0.66 ug/l	0.66	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Hexachlorobutadiene	< 1.1 ug/l	1.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Hexachlorocyclopentadiene	< 2.8 ug/l	2.8	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Hexachloroethane	< 0.71 ug/l	0.71	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Indeno(1,2,3-cd)pyrene	< 2.6 ug/l	2.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Isophorone	< 0.73 ug/l	0.73	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
n-Nitrosodi-n-propylamine	< 0.97 ug/l	0.97	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
n-Nitrosodimethylamine	< 0.96 ug/l	0.96	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
n-Nitrosodiphenylamine	< 1.1 ug/l	1.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	R
Naphthalene	< 1.1 ug/l	1.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Nitrobenzene	< 1.7 ug/l	1.7	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2-Nitrophenol	< 1.1 ug/l	1.1	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
4-Nitrophenol	< 2.4 ug/l	2.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
p-Chloro-m-cresol	< 2.7 ug/l	2.7	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Pentachlorophenol	< 0.63 ug/l	0.63	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	

Arkansas Testing Laboratories
 3301 Langley Drive
 Searcy, AR 72143

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Phenanthrene	< 1.4 ug/l	1.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Phenol	< 0.66 ug/l	0.66	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Pyrene	< 0.98 ug/l	0.98	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
1,2,4-Trichlorobenzene	< 1.6 ug/l	1.6	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4,6-Trichlorophenol	< 1.4 ug/l	1.4	5.0	B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (50.0-110%)	83.6 %			B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2-Fluorophenol (20.0-110%)	54.2 %			B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Nitrobenzene-D5 (40.0-110%)	82.0 %			B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Terphenyl-D14 (50.0-135%)	102 %			B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
2,4,6-Tribromophenol (40.0-125%)	48.3 %			B10375-1	03Mar17 0854 by 320	03Mar17 2051 by 306	
Volatile Organic Compounds							
Acrolein	< 2.0 ug/l	2.0	25	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Acrylonitrile	< 0.49 ug/l	0.49	25	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Benzene	< 0.054 ug/l	0.054	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Bromoform	< 0.11 ug/l	0.11	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Carbon tetrachloride	< 0.27 ug/l	0.27	2.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Chlorobenzene	< 0.087 ug/l	0.087	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Chlorodibromomethane	< 0.12 ug/l	0.12	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Chloroethane	< 0.22 ug/l	0.22	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
2-Chloroethyl vinyl ether	< 0.21 ug/l	0.21	10	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Chloroform	< 0.082 ug/l	0.082	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,2-Dichlorobenzene	< 0.093 ug/l	0.093	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,3-Dichlorobenzene	< 0.081 ug/l	0.081	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,4-Dichlorobenzene	< 0.12 ug/l	0.12	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Dichlorobromomethane	< 0.12 ug/l	0.12	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,1-Dichloroethane	< 0.076 ug/l	0.076	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,2-Dichloroethane	< 0.086 ug/l	0.086	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,1-Dichloroethylene	< 0.21 ug/l	0.21	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
trans-1,2-Dichloroethylene	< 0.17 ug/l	0.17	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,2-Dichloropropane	< 0.15 ug/l	0.15	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
cis-1,3-Dichloropropylene	< 0.15 ug/l	0.15	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
trans-1,3-Dichloropropylene	< 0.27 ug/l	0.27	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Ethylbenzene	< 0.057 ug/l	0.057	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Methyl bromide(Bromomethane)	< 0.11 ug/l	0.11	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Methyl chloride(Chloromethane)	< 0.38 ug/l	0.38	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Methylene chloride	< 0.26 ug/l	0.26	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,1,2,2-Tetrachloroethane	< 0.088 ug/l	0.088	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Tetrachloroethylene	< 0.15 ug/l	0.15	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Toluene	< 0.076 ug/l	0.076	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,1,1-Trichloroethane	< 0.23 ug/l	0.23	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
1,1,2-Trichloroethane	< 0.18 ug/l	0.18	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Trichloroethylene	< 0.087 ug/l	0.087	5.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Vinyl chloride	< 0.15 ug/l	0.15	2.0	V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (75.0-120%)	98.6 %			V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Dibromofluoromethane (85.0-115%)	95.7 %			V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	
Toluene-D8 (85.0-120%)	102 %			V9145-1	01Mar17 0825 by 306	01Mar17 2018 by 306	

Arkansas Testing Labs, Inc.

3301 Langley Dr.
Searcy, AR 72143

Invoice

Date	Invoice #
5/31/2017	115015

Bill To

Bad Boy Mowers
102 Industrial Drive
Batesville, AR 72501

Terms	PO#
Due on Receipt	

QTY	Description	Rate	Amount
1	pH Analysis: 5/26/17	41.00	41.00
1	Cyanide; 5/26/17	51.00	51.00
7	Cd, Cr, Cu, Pb, Ni, Zn, Ag	26.00	182.00
1	American Interplex #213157	675.00	675.00

Please remember to write your invoice number on the check.

Total \$949.00

Billing terms are "Due on Receipt".

Payments/Credits **\$0.00**

Balance Due \$949.00

Invoice # 115015

Phone #	Fax #	E-Mail
501-268-6431	844-318-7030	arkatl@sbcglobal.net

Web Site

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: May 26, 2017 10:35 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	06/01 11:28 AM	NA	< 0.04	mg/l	NA	KLB	101.3	0.00	Grab	1
Chromium	06/01 11:28 AM	NA	< 0.02	mg/l	NA	KLB	104.3	0.00	Grab	1
Copper	06/01 11:28 AM	NA	< 0.01	mg/l	NA	KLB	100.3	7.41	Grab	1
Lead	06/01 11:28 AM	NA	< 0.05	mg/l	NA	KLB	103.0	0.00	Grab	1
Nickel	06/01 11:28 AM	NA	0.098	mg/l	NA	KLB	105.2	1.94	Grab	1
Silver	06/01 11:28 AM	NA	< 0.01	mg/l	NA	KLB	88.0	0.00	Grab	1
Zinc	06/01 11:28 AM	NA	0.069	mg/l	NA	KLB	110.6	12.66	Grab	1
Vol & Semi Vols	RESULTS ATTACHED # 213157		AI	ug/l	NA	AI306/301	NA	NA	Grab	2
pH	05/26 10:35 AM	NA	7.27	S.U.	NA	BET	NA	0.14	GRAB	3
Cyanide, Total	05/31 8:00 AM	NA	< 0.01	mg/l	NA	KLB	103.1	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%.

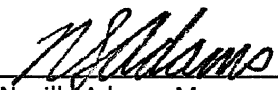
Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂; Oil & Grease, Ammonia, COD

American Interplex Invoice # 200855 attached

References:

Analysis complies with 40 CFR Part 136:

1. SM 3111B-1999
2. See attached American Interplex Report 213157
3. SM 4500 HB-2000
4. SM 4500-CN-E-1999


 Neville Adams, Manager




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 31, 2017. 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.



John Overbey
Chief Operating Officer

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 31, 2017
2514
P.O. No. 2514

Receipt Details:

A Chain of Custody was provided. The samples were delivered in two (2) ice chests.
Ice chest #1 was delivered with shipping documentation.
Ice chest #2 was delivered with shipping documentation.

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>
213157-1	Sample #2	26-May-2017 1035	

Qualifiers:

- H Analytical holding time exceeded regulatory requirements
- 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. 213157-1

Sample Identification: Sample #2 26-May-2017 1035

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Base/Neutral and Acid Compounds By EPA 625				
Acenaphthene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Acenaphthylene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Anthracene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Benzidine EPA 625	< 25 Analyzed: 02-Jun-2017 2303 by 306	25	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Benzo(a)anthracene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Benzo(a)pyrene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Benzo(g,h,i)perylene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Benzo(k)fluoranthene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
3,4-Benzofluoranthene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Bis(2-chloroethoxy)methane EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Bis(2-chloroethyl)ether EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Bis(2-chloroisopropyl)ether EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Bis(2-ethylhexyl)phthalate EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
4-Bromophenyl phenyl ether EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Butylbenzyl phthalate EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
2-Chloronaphthalene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
2-Chlorophenol EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
4-Chlorophenyl phenyl ether EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Chrysene EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				
Di-n-butyl phthalate EPA 625	< 5.0 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l	Batch: B10490
Prep: 02-Jun-2017 0936 by 323				

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 213157-1 (Continued)

Sample Identification: Sample #2 26-May-2017 1035

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Di-n-octyl phthalate EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Dibenz(a,h)anthracene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
3,3'-Dichlorobenzidine EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
2,4-Dichlorophenol EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Diethyl phthalate EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Dimethyl phthalate EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
2,4-Dimethylphenol EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
4,6-Dinitro-o-cresol EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
2,4-Dinitrophenol EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
2,4-Dinitrotoluene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
2,6-Dinitrotoluene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
1,2-Diphenylhydrazine EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Fluoranthene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Fluorene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Hexachlorobenzene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Hexachlorobutadiene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Hexachlorocyclopentadiene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Hexachloroethane EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Indeno(1,2,3-cd)pyrene EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	
Isophorone EPA 625	< 5.0 Prep: 02-Jun-2017 0936 by 323 Analyzed: 02-Jun-2017 2303 by 306	5.0	ug/l Batch: B10490	

Arkansas Testing Laboratories
 3301 Langley Drive
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ANALYTICAL RESULTS

AIC No. 213157-1 (Continued)

Sample Identification: Sample #2 26-May-2017 1035

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
n-Nitrosodi-n-propylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
n-Nitrosodimethylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
n-Nitrosodiphenylamine EPA 625	< 5.0	5.0	ug/l	R
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Naphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Nitrobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
2-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
4-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
p-Chloro-m-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Pentachlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Phenanthrene EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Phenol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
1,2,4-Trichlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
2,4,6-Trichlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	80.8		%	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	63.2		%	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	80.4		%	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	95.1		%	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	65.8		%	
Prep: 02-Jun-2017 0936 by 323	Analyzed: 02-Jun-2017 2303 by 306		Batch: B10490	
Volatile Organic Compounds By EPA 624				
Acrolein EPA 624	< 25	25	ug/l	H
Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	

Arkansas Testing Laboratories
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 Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 213157-1 (Continued)

Sample Identification: Sample #2 26-May-2017 1035

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Volatile Organic Compounds By EPA 624 (Continued)					
Acrylonitrile		< 25	25	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Benzene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Bromoform		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Carbon tetrachloride		< 2.0	2.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Chlorobenzene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Chlorodibromomethane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Chloroethane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
2-Chloroethyl vinyl ether		< 10	10	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Chloroform		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,2-Dichlorobenzene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,3-Dichlorobenzene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,4-Dichlorobenzene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
Dichlorobromomethane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,1-Dichloroethane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,2-Dichloroethane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,1-Dichloroethylene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
trans-1,2-Dichloroethylene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
1,2-Dichloropropane		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
cis-1,3-Dichloropropylene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	
trans-1,3-Dichloropropylene		< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271		Batch: V9204	

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 213157-1 (Continued)

Sample Identification: Sample #2 26-May-2017 1035

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Volatile Organic Compounds By EPA 624 (Continued)				
Ethylbenzene	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Methyl bromide(Bromomethane)	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Methyl chloride(Chloromethane)	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Methylene chloride	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Tetrachloroethylene	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Toluene	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
1,1,1-Trichloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
1,1,2-Trichloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Trichloroethylene	< 5.0	5.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Vinyl chloride	< 2.0	2.0	ug/l	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Surrogate: 4-Bromofluorobenzene (75.0-120%)	98.2		%	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Surrogate: Dibromofluoromethane (85.0-115%)	95.6		%	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	
Surrogate: Toluene-D8 (85.0-120%)	98.5		%	
EPA 624	Prep: 02-Jun-2017 0857 by 271	Analyzed: 05-Jun-2017 1959 by 271	Batch: V9204	

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										
Acenaphthene	40 ug/l	81.1	45.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	79.5	45.0-110	2.02	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Acenaphthylene	40 ug/l	77.4	50.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	73.9	50.0-105	4.60	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Anthracene	40 ug/l	80.4	55.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	79.5	55.0-110	1.06	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Benzidine	100 ug/l	20.8	0.00-57.1			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	100 ug/l	20.1	0.00-57.1	3.27	55.8	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Benzo(a)anthracene	40 ug/l	87.3	55.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	87.1	55.0-110	0.258	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Benzo(a)pyrene	40 ug/l	75.0	55.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	74.7	55.0-110	0.367	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Benzo(g,h,i)perylene	40 ug/l	70.6	40.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	57.6	40.0-125	20.4	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Benzo(k)fluoranthene	40 ug/l	75.4	45.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	75.8	45.0-125	0.562	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
3,4-Benzofluoranthene	40 ug/l	79.7	45.0-120			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	75.5	45.0-120	5.45	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Bis(2-chloroethoxy)methane	40 ug/l	78.8	45.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	78.8	45.0-105	0.0634	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Bis(2-chloroethyl)ether	40 ug/l	80.4	35.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	78.6	35.0-110	2.39	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Bis(2-chloroisopropyl)ether	40 ug/l	79.4	25.0-130			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	78.4	25.0-130	1.39	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Bis(2-ethylhexyl)phthalate	40 ug/l	88.2	40.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	89.5	40.0-125	1.52	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
4-Bromophenyl phenyl ether	40 ug/l	86.9	50.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	85.6	50.0-115	1.57	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Butylbenzyl phthalate	40 ug/l	74.4	45.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	76.3	45.0-115	2.49	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2-Chloronaphthalene	40 ug/l	81.0	50.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	78.6	50.0-105	3.01	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2-Chlorophenol	40 ug/l	77.2	35.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	77.0	35.0-105	0.292	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
4-Chlorophenyl phenyl ether	40 ug/l	83.8	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	82.0	50.0-110	2.11	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Chrysene	40 ug/l	86.1	55.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	84.8	55.0-110	1.58	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Di-n-butyl phthalate	40 ug/l	91.0	55.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	92.6	55.0-115	1.74	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Di-n-octyl phthalate	40 ug/l	71.0	35.0-135			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	71.6	35.0-135	0.806	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Dibenz(a,h)anthracene	40 ug/l	71.5	40.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	61.1	40.0-125	15.6	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
1,2-Dichlorobenzene	40 ug/l	67.2	35.0-100			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	68.4	35.0-100	1.77	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
1,3-Dichlorobenzene	40 ug/l	64.1	30.0-100			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	64.4	30.0-100	0.467	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
1,4-Dichlorobenzene	40 ug/l	66.0	30.0-100			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	64.0	30.0-100	3.07	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
3,3'-Dichlorobenzidine	40 ug/l	61.8	20.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	59.8	20.0-110	3.41	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4-Dichlorophenol	40 ug/l	81.2	50.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	81.4	50.0-105	0.277	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Diethyl phthalate	40 ug/l	83.7	40.0-120			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	81.6	40.0-120	2.54	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Dimethyl phthalate	40 ug/l	84.2	25.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	82.6	25.0-125	1.86	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4-Dimethylphenol	40 ug/l	51.4	30.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	43.5	30.0-110	16.7	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
4,6-Dinitro-o-cresol	40 ug/l	75.8	40.0-130			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	76.9	40.0-130	1.37	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4-Dinitrophenol	40 ug/l	57.5	15.0-140			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	60.0	15.0-140	4.22	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4-Dinitrotoluene	40 ug/l	89.3	50.0-120			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	89.2	50.0-120	0.0840	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,6-Dinitrotoluene	40 ug/l	88.0	50.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	87.2	50.0-115	0.914	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
1,2-Diphenylhydrazine	40 ug/l	82.1	55.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	81.3	55.0-115	0.979	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Fluoranthene	40 ug/l	83.8	55.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	82.8	55.0-115	1.26	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Fluorene	40 ug/l	83.6	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	80.8	50.0-110	3.37	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Hexachlorobenzene	40 ug/l	83.4	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	84.0	50.0-110	0.777	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Hexachlorobutadiene	40 ug/l	68.2	25.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	68.6	25.0-105	0.548	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Hexachlorocyclopentadiene	40 ug/l	75.1	31.6-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	69.3	31.6-105	8.00	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Hexachloroethane	40 ug/l	62.7	30.0-100			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	61.8	30.0-100	1.45	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Indeno(1,2,3-cd)pyrene	40 ug/l	70.7	45.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	60.4	45.0-125	15.7	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Isophorone	40 ug/l	82.1	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	80.8	50.0-110	1.60	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
n-Nitrosodi-n-propylamine	40 ug/l	90.4	35.0-130			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	89.8	35.0-130	0.610	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
n-Nitrosodimethylamine	40 ug/l	62.0	25.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	59.4	25.0-110	4.37	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
n-Nitrosodiphenylamine	40 ug/l	85.7	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	83.7	50.0-110	2.33	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
Naphthalene	40 ug/l	71.6	40.0-100			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	72.2	40.0-100	0.834	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Nitrobenzene	40 ug/l	81.3	45.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	80.1	45.0-110	1.43	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2-Nitrophenol	40 ug/l	80.3	40.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	83.8	40.0-115	4.20	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
4-Nitrophenol	40 ug/l	45.8	0.00-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	47.0	0.00-125	2.43	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
p-Chloro-m-cresol	40 ug/l	84.4	45.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	84.1	45.0-110	0.297	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Pentachlorophenol	40 ug/l	63.8	40.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	63.5	40.0-115	0.510	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Phenanthrene	40 ug/l	81.3	50.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	81.8	50.0-115	0.552	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Phenol	40 ug/l	53.1	0.00-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	52.6	0.00-115	1.04	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Pyrene	40 ug/l	76.2	50.0-130			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	73.6	50.0-130	3.41	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
1,2,4-Trichlorobenzene	40 ug/l	71.5	35.0-105			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	72.1	35.0-105	0.801	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4,6-Trichlorophenol	40 ug/l	85.4	50.0-115			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	82.6	50.0-115	3.27	30.0	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	40 ug/l	79.6	50.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	79.4	50.0-110	-	-	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2-Fluorophenol	40 ug/l	65.1	20.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	65.0	20.0-110	-	-	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Nitrobenzene-D5	40 ug/l	83.7	40.0-110			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	83.2	40.0-110	-	-	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Terphenyl-D14	40 ug/l	80.3	50.0-135			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	81.4	50.0-135	-	-	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
2,4,6-Tribromophenol	40 ug/l	89.4	40.0-125			B10490	02Jun17 0936 by 323	02Jun17 2144 by 306		
	40 ug/l	91.5	40.0-125	-	-	B10490	02Jun17 0936 by 323	02Jun17 2223 by 306		
Volatile Organic Compounds										
Acrolein	100 ug/l	98.6	65.2-122			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Acrylonitrile	100 ug/l	95.8	68.2-124			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Benzene	20 ug/l	99.8	80.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Bromodichloromethane	20 ug/l	102	75.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Bromoform	20 ug/l	105	70.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Bromomethane	20 ug/l	106	30.0-145			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Carbon tetrachloride	20 ug/l	98.1	65.0-140			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Chlorobenzene	20 ug/l	106	80.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Chloroethane	20 ug/l	100	60.0-135			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
2-Chloroethyl vinyl ether	40 ug/l	101	87.6-112			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)										
Chloroform	20 ug/l	98.5	65.0-135			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Chloromethane	20 ug/l	102	40.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Dibromochloromethane	20 ug/l	105	60.0-135			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,2-Dichlorobenzene	20 ug/l	106	70.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,3-Dichlorobenzene	20 ug/l	106	75.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,4-Dichlorobenzene	20 ug/l	108	75.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,1-Dichloroethane	20 ug/l	97.4	70.0-135			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,2-Dichloroethane	20 ug/l	102	70.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,1-Dichloroethene	20 ug/l	105	70.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
trans-1,2-Dichloroethene	20 ug/l	103	60.0-140			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,2-Dichloropropane	20 ug/l	95.2	75.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
cis-1,3-Dichloropropene	20 ug/l	102	70.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
trans-1,3-Dichloropropene	20 ug/l	106	55.0-140			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Ethylbenzene	20 ug/l	106	75.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Methylene chloride	20 ug/l	89.2	55.0-140			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,1,2,2-Tetrachloroethane	20 ug/l	106	65.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Tetrachloroethene	20 ug/l	108	45.0-150			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Toluene	20 ug/l	106	75.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,1,1-Trichloroethane	20 ug/l	95.8	65.0-130			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
1,1,2-Trichloroethane	20 ug/l	100	75.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Trichloroethene	20 ug/l	108	70.0-125			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Vinyl chloride	20 ug/l	102	50.0-145			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	50 ug/l	102	75.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Dibromofluoromethane	50 ug/l	99.3	85.0-115			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		
Toluene-D8	50 ug/l	101	85.0-120			V9204	02Jun17 1733 by 271	05Jun17 1246 by 271		

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds									
Acrolein	213234-1	100 ug/l	87.6	42.5-122	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Acrylonitrile	213234-1	100 ug/l	102	62.7-141	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Benzene	213234-1	20 ug/l	90.7	80.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Bromodichloromethane	213234-1	20 ug/l	112	75.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Bromoform	213234-1	20 ug/l	85.8	70.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Bromomethane	213234-1	20 ug/l	118	30.0-145	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Carbon tetrachloride	213234-1	20 ug/l	85.2	65.0-140	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Chlorobenzene	213234-1	20 ug/l	93.2	80.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Chloroethane	213234-1	20 ug/l	89.0	60.0-135	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
2-Chloroethyl vinyl ether	213234-1	40 ug/l	89.1	52.0-141	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Chloroform	213234-1	20 ug/l	101	65.0-135	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Chloromethane	213234-1	20 ug/l	86.0	40.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Dibromochloromethane	213234-1	20 ug/l	88.8	60.0-135	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,2-Dichlorobenzene	213234-1	20 ug/l	90.1	70.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,3-Dichlorobenzene	213234-1	20 ug/l	91.4	75.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,4-Dichlorobenzene	213234-1	20 ug/l	93.4	75.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,1-Dichloroethane	213234-1	20 ug/l	84.6	70.0-135	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,2-Dichloroethane	213234-1	20 ug/l	88.5	70.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,1-Dichloroethene	213234-1	20 ug/l	90.3	70.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
trans-1,2-Dichloroethene	213234-1	20 ug/l	91.4	60.0-140	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,2-Dichloropropane	213234-1	20 ug/l	86.0	75.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
cis-1,3-Dichloropropene	213234-1	20 ug/l	88.8	70.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
trans-1,3-Dichloropropene	213234-1	20 ug/l	89.4	55.0-140	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Ethylbenzene	213234-1	20 ug/l	91.8	75.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Methylene chloride	213234-1	20 ug/l	80.3	55.0-140	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,1,2,2-Tetrachloroethane	213234-1	20 ug/l	87.7	65.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Tetrachloroethene	213234-1	20 ug/l	95.4	45.0-150	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Toluene	213234-1	20 ug/l	91.6	75.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,1,1-Trichloroethane	213234-1	20 ug/l	85.2	65.0-130	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
1,1,2-Trichloroethane	213234-1	20 ug/l	88.6	75.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Trichloroethene	213234-1	20 ug/l	96.2	70.0-125	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Vinyl chloride	213234-1	20 ug/l	94.6	50.0-145	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	213234-1	50 ug/l	99.4	75.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Dibromofluoromethane	213234-1	50 ug/l	95.5	85.0-115	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		
Toluene-D8	213234-1	50 ug/l	99.6	85.0-120	V9204	02Jun17 1733 by 271	06Jun17 2206 by 271		

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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Acenaphthene	< 0.91 ug/l	0.91	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Acenaphthylene	< 1.6 ug/l	1.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Anthracene	< 1.6 ug/l	1.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Benzidine	< 7.7 ug/l	7.7	25	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Benzo(a)anthracene	< 0.87 ug/l	0.87	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Benzo(a)pyrene	< 1.3 ug/l	1.3	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Benzo(g,h,i)perylene	< 2.1 ug/l	2.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Benzo(k)fluoranthene	< 0.98 ug/l	0.98	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
3,4-Benzofluoranthene	< 0.79 ug/l	0.79	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Bis(2-chloroethoxy)methane	< 1.4 ug/l	1.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Bis(2-chloroethyl)ether	< 0.77 ug/l	0.77	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Bis(2-chloroisopropyl)ether	< 2.5 ug/l	2.5	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Bis(2-ethylhexyl)phthalate	< 3.1 ug/l	3.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
4-Bromophenyl phenyl ether	< 0.63 ug/l	0.63	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Butylbenzyl phthalate	< 1.6 ug/l	1.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2-Chloronaphthalene	< 0.87 ug/l	0.87	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2-Chlorophenol	< 1.0 ug/l	1.0	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
4-Chlorophenyl phenyl ether	< 0.94 ug/l	0.94	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Chrysene	< 1.1 ug/l	1.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Di-n-butyl phthalate	< 1.4 ug/l	1.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Di-n-octyl phthalate	< 3.7 ug/l	3.7	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Dibenz(a,h)anthracene	< 0.93 ug/l	0.93	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
3,3'-Dichlorobenzidine	< 1.2 ug/l	1.2	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4-Dichlorophenol	< 2.3 ug/l	2.3	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Diethyl phthalate	< 2.5 ug/l	2.5	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Dimethyl phthalate	< 1.2 ug/l	1.2	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4-Dimethylphenol	< 2.1 ug/l	2.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
4,6-Dinitro-o-cresol	< 0.65 ug/l	0.65	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4-Dinitrophenol	< 3.0 ug/l	3.0	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4-Dinitrotoluene	< 2.4 ug/l	2.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,6-Dinitrotoluene	< 0.97 ug/l	0.97	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
1,2-Diphenylhydrazine	< 1.5 ug/l	1.5	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Fluoranthene	< 1.6 ug/l	1.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Fluorene	< 1.2 ug/l	1.2	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Hexachlorobenzene	< 0.66 ug/l	0.66	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Hexachlorobutadiene	< 1.1 ug/l	1.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Hexachlorocyclopentadiene	< 2.8 ug/l	2.8	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Hexachloroethane	< 0.71 ug/l	0.71	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Indeno(1,2,3-cd)pyrene	< 2.6 ug/l	2.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Isophorone	< 0.73 ug/l	0.73	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
n-Nitrosodi-n-propylamine	< 0.97 ug/l	0.97	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
n-Nitrosodimethylamine	< 0.96 ug/l	0.96	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
n-Nitrosodiphenylamine	< 1.1 ug/l	1.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Naphthalene	< 1.1 ug/l	1.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Nitrobenzene	< 1.7 ug/l	1.7	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2-Nitrophenol	< 1.1 ug/l	1.1	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
4-Nitrophenol	< 2.4 ug/l	2.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
p-Chloro-m-cresol	< 2.7 ug/l	2.7	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Pentachlorophenol	< 0.63 ug/l	0.63	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	

R

Arkansas Testing Laboratories
 3301 Langley Drive
 Searcy, AR 72143

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Phenanthrene	< 1.4 ug/l	1.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Phenol	< 0.66 ug/l	0.66	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Pyrene	< 0.98 ug/l	0.98	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
1,2,4-Trichlorobenzene	< 1.6 ug/l	1.6	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4,6-Trichlorophenol	< 1.4 ug/l	1.4	5.0	B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (50.0-110%)	76.8 %			B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2-Fluorophenol (20.0-110%)	53.2 %			B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Nitrobenzene-D5 (40.0-110%)	80.2 %			B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Terphenyl-D14 (50.0-135%)	104 %			B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
2,4,6-Tribromophenol (40.0-125%)	64.6 %			B10490-1	02Jun17 0936 by 323	02Jun17 2106 by 306	
Volatile Organic Compounds							
Acrolein	< 3.8 ug/l	3.8	25	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Acrylonitrile	< 4.8 ug/l	4.8	25	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Benzene	< 0.87 ug/l	0.87	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Bromoform	< 0.45 ug/l	0.45	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Carbon tetrachloride	< 1.1 ug/l	1.1	2.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Chlorobenzene	< 0.81 ug/l	0.81	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Chlorodibromomethane	< 0.58 ug/l	0.58	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Chloroethane	< 1.4 ug/l	1.4	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
2-Chloroethyl vinyl ether	< 4.4 ug/l	4.4	10	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Chloroform	< 0.67 ug/l	0.67	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,2-Dichlorobenzene	< 0.44 ug/l	0.44	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,3-Dichlorobenzene	< 0.32 ug/l	0.32	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,4-Dichlorobenzene	< 0.32 ug/l	0.32	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Dichlorobromomethane	< 0.64 ug/l	0.64	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,1-Dichloroethane	< 0.98 ug/l	0.98	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,2-Dichloroethane	< 0.85 ug/l	0.85	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,1-Dichloroethylene	< 2.5 ug/l	2.5	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
trans-1,2-Dichloroethylene	< 1.5 ug/l	1.5	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,2-Dichloropropane	< 1.5 ug/l	1.5	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
cis-1,3-Dichloropropylene	< 0.61 ug/l	0.61	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
trans-1,3-Dichloropropylene	< 0.72 ug/l	0.72	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Ethylbenzene	< 0.39 ug/l	0.39	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Methyl bromide(Bromomethane)	< 0.93 ug/l	0.93	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Methyl chloride(Chloromethane)	< 2.2 ug/l	2.2	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Methylene chloride	< 1.5 ug/l	1.5	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,1,2,2-Tetrachloroethane	< 1.5 ug/l	1.5	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Tetrachloroethylene	< 0.47 ug/l	0.47	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Toluene	< 0.89 ug/l	0.89	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,1,1-Trichloroethane	< 2.0 ug/l	2.0	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
1,1,2-Trichloroethane	< 1.6 ug/l	1.6	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Trichloroethylene	< 2.9 ug/l	2.9	5.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Vinyl chloride	< 1.3 ug/l	1.3	2.0	V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (75.0-120%)	97.0 %			V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Dibromofluoromethane (85.0-115%)	94.5 %			V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	
Toluene-D8 (85.0-120%)	101 %			V9204-1	02Jun17 1733 by 271	05Jun17 1433 by 271	

Arkansas Testing Laboratories

3301 Langley Ave · Searcy, AR 72143
 (501) 268-6431 f(501) 268-9314
 arkatl@sbcglobal.net

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: **Bad Boy Mowers #2**

SAMPLE TYPE	SAMPLE MATRIX W=H2O S=SLUDGE D=SOIL C=WELL	DATE	TIME	Grab / Comp.	CALIBRATION		PRESERVATIVES			
					pH / DO #	# = no of bottles	NP-iced	HCl	NaOH	HNO3
EFF	W	5/26/17	10:35	Grab	1035	2853	1-L-G	2-40-G	1-L-P	1-L-P

Comments:

COLLECT:

Relinquished by:	Date/Time	Received by:	Date/Time
		<i>[Signature]</i>	5-26-17 1:00

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

001 #

B. FACILITY & LOCATION ADDRESS

Same as mailing address

C. FACILITY CONTACT:

Randel Davis

TELEPHONE NUMBER:

870 612 0350

e-mail:

Randel.davis@badboyinc.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

650

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & _____)	8000	14000	
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	15000	18000	
Total Flow to POTW	23000	32000	*****

*"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 Wastewater 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	.004	.024	.01	.05	.074	.01	.080	20.01	BDL
Ave Measured									

Sample Location Sump PITH 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

Plant Supervisor
OFFICIAL TITLE

6-9-17
DATE SIGNED

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
102 Industrial Dr.
Batesville AR 72501
0020702
002#

B. FACILITY & LOCATION ADDRESS

Same as mailing
Address

C. FACILITY CONTACT: Randel Davis TELEPHONE NUMBER: 8706120350 e-mail: randel.davis@badboy-mowers.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

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CHECK EACH APPLICABLE BLOCK

- Electroplating
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- 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

650

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)			
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Sanitary	15000	18000	
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(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 picked up by Wastec 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.

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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	.04	.02	4.01	4.05	.098	4.01	.069	4.01	BDL
Ave Measured									

Sample Location Sump pH 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

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(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

Plant supervisor

OFFICIAL TITLE

6-9-17

DATE SIGNED