

Peltier, Hannah

From: Gilliam, Allen
Sent: Monday, December 15, 2014 12:31 PM
To: randel davis
Cc: Fuller, Kim; Peltier, Hannah; batesville eugene townsley; batesville mike mcdaniel
Subject: AR0020702_Bad Boy ARP001027 Dec 2014 semi annual Pretreatment report with ADEQ reply_20141215
Attachments: Untitled.pdf; BAD BOY MOWERS 20140730.pdf; Arkansas Testing Lab_20140929_154558.pdf

Randel,

Bad Boy's December 2014 semi-annual report was 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 standards in 40 CFR 433.17.

There are no further actions deemed necessary at this time.

Thank you for your timely report remaining in compliance with the Federal Pretreatment Regulations in 40 CFR 403.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

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

E/NPDES/NPDES/Pretreatment/Reports

From: Randel Davis [<mailto:randel.davis@badboymowers.com>]
Sent: Monday, December 15, 2014 10:53 AM
To: Gilliam, Allen
Subject: semi-annual report bad boy mowers

Thanks
Randel

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

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

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION	
<p>A. LEGAL NAME & MAILING ADDRESS</p> <p>Bad Boy Inc. 102 Industrial Dr. Batesville AR 72501 AR 0020702</p>	<p>B. FACILITY & LOCATION ADDRESS</p> <p>Same as mailing address</p>
<p>C. FACILITY CONTACT: <u>Randel Davis</u> TELEPHONE NUMBER: <u>8706120350</u> e-mail: <u>Randel.davis@badboyinc.com</u></p>	
(2) REPORTING PERIOD--FISCAL YEAR From ??? to ??? (Both Semi-Annual Reports must cover Fiscal Year)	
<p>A. MONTHS WHICH REPORTS ARE DUE</p> <p><u>June</u> & <u>December</u></p>	<p>B. PERIOD COVERED BY THIS REPORT</p> <p>FROM: <u>July</u> TO: <u>December</u></p>
(3) DESCRIPTION OF OPERATION	
<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Electroplating <input type="checkbox"/> Electroless Plating <input type="checkbox"/> Anodizing <input checked="" type="checkbox"/> Coating <input type="checkbox"/> Chemical Etching and Milling <input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>stage 2 & 4 are rinse</u> <u>stages in a five stage</u> <u>cleaning process</u></p> <p>_____ _____ _____</p> <p><small>*SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS</small></p>	<p>B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.</p> <p style="text-align: center; font-size: 2em; font-family: cursive;">N/A</p>
<p>C. Number of Regular Employees at this Facility</p> <p><u>325</u></p>	<p>D. [Reserved]</p>

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	7772	13200	
Regulated (Cyanide)			
' 403.6(e) Unregulated*			
' 403.6(e) Dilute			
Cooling Water			
Sanitary	9375	15000	
Total Flow to POTW	17147	28200	*****

*"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 picked up by Wasted Services, Inc.

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

Pollutant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	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	<.004	<.004	<.02	.004	<.003	<0.01	<.01	BDL
Ave Measured	<.004								

Sample Location sump pit at end of process

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected 1

40CFR136 Preservation and Analytical Methods Use: Yes No

(6) CERTIFICATION

A. [Reserved]

[Reserved]

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

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

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature _____

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF _____)

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

Given under my hand and seal of office on this _____ day of _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

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

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

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

N/A

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(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

Paint Supervisor
OFFICIAL TITLE

12-15-14
DATE SIGNED




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

This report contains the analytical results and supporting information for the sample submitted on August 5, 2014. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

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

This report has been reviewed by the Laboratory Director or a qualified designee.



John Overbey
Laboratory Director

This document has been distributed to the following:

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



Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on August 5, 2014
P.O. No. 2336

Receipt Details:

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

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

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
181285-1	Bad Boy 7-30-14 115p	30-Jul-2014 1315	

Qualifiers:

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. 181285-1

Sample Identification: Bad Boy 7-30-14 115p

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625				
Acenaphthene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Acenaphthylene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Benzidine EPA 625	< 25	25	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Benzo(a)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Benzo(a)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Benzo(g,h,i)perylene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Benzo(k)fluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
3,4-Benzofluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Bis(2-chloroethoxy)methane EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Bis(2-chloroethyl)ether EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Bis(2-chloroisopropyl)ether EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Bis(2-ethylhexyl)phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
4-Bromophenyl phenyl ether EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Butylbenzyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2-Chloronaphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2-Chlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
4-Chlorophenyl phenyl ether EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Chrysene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Di-n-butyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	

Arkansas Testing Laboratories
3301 Langley Drive
Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 181285-1 (Continued)

Sample Identification: Bad Boy 7-30-14 115p

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: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Dibenz(a,h)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
3,3'-Dichlorobenzidine EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,4-Dichlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Diethyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Dimethyl phthalate EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,4-Dimethylphenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
4,6-Dinitro-o-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,4-Dinitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,4-Dinitrotoluene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,6-Dinitrotoluene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
1,2-Diphenylhydrazine EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Fluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Fluorene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Hexachlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Hexachlorobutadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Hexachlorocyclopentadiene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Hexachloroethane EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Indeno(1,2,3-cd)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Isophorone EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	

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ANALYTICAL RESULTS

AIC No. 181285-1 (Continued)

Sample Identification: Bad Boy 7-30-14 115p

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: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
n-Nitrosodimethylamine EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
n-Nitrosodiphenylamine EPA 625	< 5.0	5.0	ug/l	R
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Naphthalene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Nitrobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
4-Nitrophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
p-Chloro-m-cresol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Pentachlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Phenanthrene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Phenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
1,2,4-Trichlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
2,4,6-Trichlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	75.2		%	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	48.5		%	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	84.4		%	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	104		%	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	42.5		%	
Prep: 06-Aug-2014 0850 by 306	Analyzed: 06-Aug-2014 1743 by 301		Batch: B9101	
Volatile Organic Compounds By EPA 624				
Acrolein EPA 624	< 25	25	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	

Arkansas Testing Laboratories
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Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 181285-1 (Continued)

Sample Identification: Bad Boy 7-30-14 115p

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Volatile Organic Compounds By EPA 624 (Continued)				
Acrylonitrile EPA 624	< 25	25	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Benzene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Bromoform EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Carbon tetrachloride EPA 624	< 2.0	2.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Chlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Chlorodibromomethane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Chloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
2-Chloroethyl vinyl ether EPA 624	< 10	10	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Chloroform EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,2-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,3-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,4-Dichlorobenzene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
Dichlorobromomethane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,1-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,2-Dichloroethane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,1-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
trans-1,2-Dichloroethylene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
1,2-Dichloropropane EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
cis-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	
trans-1,3-Dichloropropylene EPA 624	< 5.0	5.0	ug/l	
Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301		Batch: V8570	

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ANALYTICAL RESULTS

AIC No. 181285-1 (Continued)

Sample Identification: Bad Boy 7-30-14 115p

<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: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Methyl bromide(Bromomethane)	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Methyl chloride(Chloromethane)	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Methylene chloride	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Tetrachloroethylene	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Toluene	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
1,1,1-Trichloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
1,1,2-Trichloroethane	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Trichloroethylene	< 5.0	5.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Vinyl chloride	< 2.0	2.0	ug/l	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Surrogate: 4-Bromofluorobenzene (75.0-120%)	97.9		%	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Surrogate: Dibromofluoromethane (85.0-115%)	97.6		%	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	
Surrogate: Toluene-D8 (85.0-120%)	102		%	
EPA 624	Prep: 06-Aug-2014 1100 by 301	Analyzed: 06-Aug-2014 1541 by 301	Batch: V8570	

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DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds								
Acrolein	181308-3	< 50 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 50 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Acrylonitrile	181308-3	< 20 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 20 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Benzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Bromoform	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Carbon tetrachloride	181308-3	< 2.0 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 2.0 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Chlorobenzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Chlorodibromomethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Chloroethane	181308-3	< 50 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 50 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
2-Chloroethyl vinyl ether	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	20.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Chloroform	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,2-Dichlorobenzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,3-Dichlorobenzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,4-Dichlorobenzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Dichlorobromomethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,1-Dichloroethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,2-Dichloroethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,1-Dichloroethylene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
trans-1,2-Dichloroethylene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,2-Dichloropropane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
cis-1,3-Dichloropropylene	181308-3	< 5.0 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 5.0 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
trans-1,3-Dichloropropylene	181308-3	< 1.3 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 1.3 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Ethylbenzene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Methyl bromide(Bromomethane)	181308-3	< 50 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570	Duplicate < 50 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		

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DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Methyl chloride(Chloromethane)	181308-3	< 50 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 50 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Methylene chloride	181308-3	< 20 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 20 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,1,2,2-Tetrachloroethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Tetrachloroethylene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Toluene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,1,1-Trichloroethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
1,1,2-Trichloroethane	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Trichloroethylene	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
Vinyl chloride	181308-3	< 10 ug/l			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	< 10 ug/l	0.00	30.0	06Aug14 1100 by 301	06Aug14 1425 by 301		
4-Bromofluorobenzene (75.0-120%)	181308-3	98.5 %			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	97.3 %			06Aug14 1100 by 301	06Aug14 1425 by 301		
Dibromofluoromethane (85.0-115%)	181308-3	97.9 %			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	97.2 %			06Aug14 1100 by 301	06Aug14 1425 by 301		
Toluene-D8 (85.0-120%)	181308-3	101 %			06Aug14 1100 by 301	06Aug14 1347 by 301		
	Batch: V8570 Duplicate	102 %			06Aug14 1100 by 301	06Aug14 1425 by 301		

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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	76.2	45.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	74.4	45.0-110	2.42	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Acenaphthylene	40 ug/l	79.2	50.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	76.7	50.0-105	3.14	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Anthracene	40 ug/l	79.1	55.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	74.4	55.0-110	6.06	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Benzidine	100 ug/l	24.1	0.00-61.1			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	100 ug/l	21.6	0.00-61.1	11.0	166	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Benzo(a)anthracene	40 ug/l	77.6	55.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	75.1	55.0-110	3.28	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Benzo(a)pyrene	40 ug/l	72.4	55.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	70.3	55.0-110	2.91	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Benzo(g,h,i)perylene	40 ug/l	54.2	40.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	53.8	40.0-125	0.788	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Benzo(k)fluoranthene	40 ug/l	91.8	45.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	84.0	45.0-125	8.82	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
3,4-Benzofluoranthene	40 ug/l	87.2	45.0-120			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	89.3	45.0-120	2.35	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Bis(2-chloroethoxy)methane	40 ug/l	76.3	45.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	79.8	45.0-105	4.52	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Bis(2-chloroethyl)ether	40 ug/l	80.0	35.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	82.0	35.0-110	2.41	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Bis(2-chloroisopropyl)ether	40 ug/l	78.7	25.0-130			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	82.7	25.0-130	4.96	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Bis(2-ethylhexyl)phthalate	40 ug/l	62.9	40.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	66.0	40.0-125	4.69	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
4-Bromophenyl phenyl ether	40 ug/l	68.0	50.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	71.8	50.0-115	5.51	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Butylbenzyl phthalate	40 ug/l	66.0	45.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.0	45.0-115	10.0	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2-Chloronaphthalene	40 ug/l	74.4	50.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.3	50.0-105	1.39	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2-Chlorophenol	40 ug/l	67.5	35.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.0	35.0-105	7.87	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
4-Chlorophenyl phenyl ether	40 ug/l	72.5	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	69.4	50.0-110	4.26	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Chrysene	40 ug/l	79.2	55.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.8	55.0-110	7.03	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Di-n-butyl phthalate	40 ug/l	90.6	55.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	85.5	55.0-115	5.79	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Di-n-octyl phthalate	40 ug/l	67.5	35.0-135			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	70.6	35.0-135	4.49	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Dibenz(a,h)anthracene	40 ug/l	53.5	40.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	55.8	40.0-125	4.26	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
1,2-Dichlorobenzene	40 ug/l	71.4	35.0-100			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	70.4	35.0-100	1.34	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		

Arkansas Testing Laboratories
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
1,3-Dichlorobenzene	40 ug/l	70.9	30.0-100			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	67.9	30.0-100	4.39	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
1,4-Dichlorobenzene	40 ug/l	71.1	30.0-100			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	68.2	30.0-100	4.17	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
3,3'-Dichlorobenzidine	40 ug/l	35.0	20.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	36.9	20.0-110	5.07	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4-Dichlorophenol	40 ug/l	63.3	50.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	68.8	50.0-105	8.32	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Diethyl phthalate	40 ug/l	82.9	40.0-120			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	78.8	40.0-120	5.07	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Dimethyl phthalate	40 ug/l	80.2	25.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	79.4	25.0-125	1.03	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4-Dimethylphenol	40 ug/l	55.6	30.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	55.1	30.0-110	0.858	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
4,6-Dinitro-o-cresol	40 ug/l	59.2	40.0-130			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	55.6	40.0-130	6.14	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4-Dinitrophenol	40 ug/l	47.2	15.0-140			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	45.6	15.0-140	3.45	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4-Dinitrotoluene	40 ug/l	79.4	50.0-120			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	74.3	50.0-120	6.60	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,6-Dinitrotoluene	40 ug/l	76.6	50.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	78.0	50.0-115	1.78	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
1,2-Diphenylhydrazine	40 ug/l	81.9	55.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	84.0	55.0-115	2.59	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Fluoranthene	40 ug/l	88.7	55.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	78.2	55.0-115	12.5	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Fluorene	40 ug/l	78.3	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	74.5	50.0-110	5.01	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Hexachlorobenzene	40 ug/l	67.4	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	66.2	50.0-110	1.80	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Hexachlorobutadiene	40 ug/l	65.2	25.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	62.6	25.0-105	3.95	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Hexachlorocyclopentadiene	40 ug/l	60.3	35.0-102			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	60.0	35.0-102	0.457	41.4	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Hexachloroethane	40 ug/l	72.6	30.0-100			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	68.1	30.0-100	6.29	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Indeno(1,2,3-cd)pyrene	40 ug/l	56.2	45.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	56.4	45.0-125	0.355	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Isophorone	40 ug/l	81.3	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	85.4	50.0-110	4.98	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
n-Nitrosodi-n-propylamine	40 ug/l	78.4	35.0-130			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	89.0	35.0-130	12.7	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
n-Nitrosodimethylamine	40 ug/l	72.3	25.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	69.0	25.0-110	4.71	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
n-Nitrosodiphenylamine	40 ug/l	72.4	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.0	50.0-110	0.963	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		

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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	76.4	40.0-100			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	73.2	40.0-100	4.28	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Nitrobenzene	40 ug/l	82.2	45.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	83.3	45.0-110	1.24	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2-Nitrophenol	40 ug/l	65.8	40.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	70.4	40.0-115	6.71	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
4-Nitrophenol	40 ug/l	48.0	0.00-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	42.0	0.00-125	13.5	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
p-Chloro-m-cresol	40 ug/l	69.6	45.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	77.1	45.0-110	10.2	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Pentachlorophenol	40 ug/l	52.1	40.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	49.3	40.0-115	5.53	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Phenanthrene	40 ug/l	80.6	50.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	76.8	50.0-115	4.80	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Phenol	40 ug/l	41.8	0.00-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	46.1	0.00-115	9.84	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Pyrene	40 ug/l	86.4	50.0-130			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	90.2	50.0-130	4.42	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
1,2,4-Trichlorobenzene	40 ug/l	66.3	35.0-105			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	66.6	35.0-105	0.414	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4,6-Trichlorophenol	40 ug/l	64.2	50.0-115			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	67.1	50.0-115	4.30	30.0	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	40 ug/l	75.5	50.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	75.3	50.0-110	-	-	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2-Fluorophenol	40 ug/l	57.1	20.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	59.7	20.0-110	-	-	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Nitrobenzene-D5	40 ug/l	82.2	40.0-110			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	83.4	40.0-110	-	-	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Terphenyl-D14	40 ug/l	84.8	50.0-135			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	91.2	50.0-135	-	-	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
2,4,6-Tribromophenol	40 ug/l	60.8	40.0-125			B9101	06Aug14 0850 by 306	06Aug14 1553 by 301		
	40 ug/l	62.3	40.0-125	-	-	B9101	06Aug14 0850 by 306	06Aug14 1629 by 301		
Volatile Organic Compounds										
Acrolein	100 ug/l	86.2	53.1-123			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Acrylonitrile	100 ug/l	100	58.0-137			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Benzene	20 ug/l	94.6	80.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Bromodichloromethane	20 ug/l	92.2	75.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Bromoform	20 ug/l	91.6	70.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Bromomethane	20 ug/l	143	30.0-145			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Carbon tetrachloride	20 ug/l	108	65.0-140			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Chlorobenzene	20 ug/l	95.0	80.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Chloroethane	20 ug/l	106	60.0-135			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
2-Chloroethyl vinyl ether	40 ug/l	93.2	60.3-135			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		

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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	95.8	65.0-135			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Chloromethane	20 ug/l	98.8	40.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Dibromochloromethane	20 ug/l	92.8	60.0-135			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,2-Dichlorobenzene	20 ug/l	94.8	70.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,3-Dichlorobenzene	20 ug/l	93.4	75.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,4-Dichlorobenzene	20 ug/l	94.4	75.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,1-Dichloroethane	20 ug/l	103	70.0-135			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,2-Dichloroethane	20 ug/l	96.3	70.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,1-Dichloroethene	20 ug/l	98.0	70.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
trans-1,2-Dichloroethene	20 ug/l	101	60.0-140			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,2-Dichloropropane	20 ug/l	94.6	75.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
cis-1,3-Dichloropropene	20 ug/l	92.7	70.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
trans-1,3-Dichloropropene	20 ug/l	92.9	55.0-140			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Ethylbenzene	20 ug/l	93.8	75.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Methylene chloride	20 ug/l	122	55.0-140			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,1,2,2-Tetrachloroethane	20 ug/l	95.8	65.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Tetrachloroethene	20 ug/l	95.2	45.0-150			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Toluene	20 ug/l	93.0	75.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,1,1-Trichloroethane	20 ug/l	93.8	65.0-130			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
1,1,2-Trichloroethane	20 ug/l	93.2	75.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Trichloroethene	20 ug/l	94.2	70.0-125			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Vinyl chloride	20 ug/l	101	50.0-145			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	50 ug/l	100	75.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Dibromofluoromethane	50 ug/l	102	85.0-115			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		
Toluene-D8	50 ug/l	100	85.0-120			V8570	06Aug14 1100 by 301	06Aug14 1116 by 301		

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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	181285-1	40 ug/l	70.8	45.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Acenaphthylene	181285-1	40 ug/l	73.5	50.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Anthracene	181285-1	40 ug/l	73.2	55.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Benzidine	181285-1	100 ug/l	20.1	0.00-47.0	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Benzo(a)anthracene	181285-1	40 ug/l	74.9	55.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Benzo(a)pyrene	181285-1	40 ug/l	69.4	55.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Benzo(g,h,i)perylene	181285-1	40 ug/l	68.5	40.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Benzo(k)fluoranthene	181285-1	40 ug/l	74.2	45.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
3,4-Benzofluoranthene	181285-1	40 ug/l	73.6	45.0-120	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Bis(2-chloroethoxy)methane	181285-1	40 ug/l	76.7	45.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Bis(2-chloroethyl)ether	181285-1	40 ug/l	80.0	35.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Bis(2-chloroisopropyl)ether	181285-1	40 ug/l	80.4	25.0-130	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Bis(2-ethylhexyl)phthalate	181285-1	40 ug/l	74.2	40.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
4-Bromophenyl phenyl ether	181285-1	40 ug/l	71.8	50.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Butylbenzyl phthalate	181285-1	40 ug/l	84.0	45.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2-Chloronaphthalene	181285-1	40 ug/l	71.0	50.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2-Chlorophenol	181285-1	40 ug/l	69.5	35.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
4-Chlorophenyl phenyl ether	181285-1	40 ug/l	64.6	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Chrysene	181285-1	40 ug/l	75.1	55.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Di-n-butyl phthalate	181285-1	40 ug/l	81.1	55.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Di-n-octyl phthalate	181285-1	40 ug/l	70.0	35.0-135	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Dibenz(a,h)anthracene	181285-1	40 ug/l	65.2	40.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
1,2-Dichlorobenzene	181285-1	40 ug/l	71.4	35.0-100	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
1,3-Dichlorobenzene	181285-1	40 ug/l	67.4	30.0-100	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
1,4-Dichlorobenzene	181285-1	40 ug/l	68.4	30.0-100	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
3,3'-Dichlorobenzidine	181285-1	40 ug/l	31.2	20.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4-Dichlorophenol	181285-1	40 ug/l	66.4	50.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Diethyl phthalate	181285-1	40 ug/l	73.8	40.0-120	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Dimethyl phthalate	181285-1	40 ug/l	74.6	25.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4-Dimethylphenol	181285-1	40 ug/l	35.5	30.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
4,6-Dinitro-o-cresol	181285-1	40 ug/l	63.9	40.0-130	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4-Dinitrophenol	181285-1	40 ug/l	49.1	15.0-140	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4-Dinitrotoluene	181285-1	40 ug/l	69.2	50.0-120	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,6-Dinitrotoluene	181285-1	40 ug/l	70.8	50.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
1,2-Diphenylhydrazine	181285-1	40 ug/l	90.8	55.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Fluoranthene	181285-1	40 ug/l	67.8	55.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Fluorene	181285-1	40 ug/l	68.2	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Hexachlorobenzene	181285-1	40 ug/l	68.4	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Hexachlorobutadiene	181285-1	40 ug/l	62.7	25.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Hexachlorocyclopentadiene	181285-1	40 ug/l	61.8	24.0-124	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		

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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)									
Hexachloroethane	181285-1	40 ug/l	69.9	30.0-100	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Indeno(1,2,3-cd)pyrene	181285-1	40 ug/l	67.0	45.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Isophorone	181285-1	40 ug/l	84.4	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
n-Nitrosodi-n-propylamine	181285-1	40 ug/l	87.3	35.0-130	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
n-Nitrosodimethylamine	181285-1	40 ug/l	69.5	25.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
n-Nitrosodiphenylamine	181285-1	40 ug/l	58.6	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Naphthalene	181285-1	40 ug/l	73.7	40.0-100	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Nitrobenzene	181285-1	40 ug/l	81.1	45.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2-Nitrophenol	181285-1	40 ug/l	69.2	40.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
4-Nitrophenol	181285-1	40 ug/l	40.6	0.00-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
p-Chloro-m-cresol	181285-1	40 ug/l	72.3	45.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Pentachlorophenol	181285-1	40 ug/l	48.5	40.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Phenanthrene	181285-1	40 ug/l	73.0	50.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Phenol	181285-1	40 ug/l	43.7	0.00-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Pyrene	181285-1	40 ug/l	90.1	50.0-130	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
1,2,4-Trichlorobenzene	181285-1	40 ug/l	65.0	35.0-105	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4,6-Trichlorophenol	181285-1	40 ug/l	62.7	50.0-115	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Base/Neutral and Acid Compounds Surrogates:									
2-Fluorobiphenyl	181285-1	40 ug/l	72.3	50.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2-Fluorophenol	181285-1	40 ug/l	55.8	20.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Nitrobenzene-D5	181285-1	40 ug/l	80.6	40.0-110	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Terphenyl-D14	181285-1	40 ug/l	88.2	50.0-135	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
2,4,6-Tribromophenol	181285-1	40 ug/l	63.2	40.0-125	B9101	06Aug14 0850 by 306	06Aug14 1706 by 301		
Volatile Organic Compounds									
Acrolein	181309-3	100 ug/l	80.4	0.00-166	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Acrylonitrile	181309-3	100 ug/l	92.2	43.8-136	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Benzene	181309-3	20 ug/l	100	80.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Bromodichloromethane	181309-3	20 ug/l	97.9	75.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Bromoform	181309-3	20 ug/l	89.0	70.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Bromomethane	181309-3	20 ug/l	132	30.0-145	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Carbon tetrachloride	181309-3	20 ug/l	122	65.0-140	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Chlorobenzene	181309-3	20 ug/l	99.6	80.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Chloroethane	181309-3	20 ug/l	117	60.0-135	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
2-Chloroethyl vinyl ether	181309-3	40 ug/l	92.7	37.9-154	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Chloroform	181309-3	20 ug/l	103	65.0-135	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Chloromethane	181309-3	20 ug/l	105	40.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Dibromochloromethane	181309-3	20 ug/l	93.4	60.0-135	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,2-Dichlorobenzene	181309-3	20 ug/l	97.4	70.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,3-Dichlorobenzene	181309-3	20 ug/l	98.7	75.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)									
1,4-Dichlorobenzene	181309-3	20 ug/l	103	75.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,1-Dichloroethane	181309-3	20 ug/l	107	70.0-135	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,2-Dichloroethane	181309-3	20 ug/l	97.0	70.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,1-Dichloroethene	181309-3	20 ug/l	107	70.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
trans-1,2-Dichloroethene	181309-3	20 ug/l	108	60.0-140	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,2-Dichloropropane	181309-3	20 ug/l	97.0	75.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
cis-1,3-Dichloropropene	181309-3	20 ug/l	95.0	70.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
trans-1,3-Dichloropropene	181309-3	20 ug/l	93.2	55.0-140	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Ethylbenzene	181309-3	20 ug/l	102	75.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Methylene chloride	181309-3	20 ug/l	120	55.0-140	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,1,2,2-Tetrachloroethane	181309-3	20 ug/l	91.8	65.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Tetrachloroethene	181309-3	20 ug/l	107	45.0-150	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Toluene	181309-3	20 ug/l	111	75.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,1,1-Trichloroethane	181309-3	20 ug/l	104	65.0-130	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
1,1,2-Trichloroethane	181309-3	20 ug/l	91.5	75.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Trichloroethene	181309-3	20 ug/l	104	70.0-125	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Vinyl chloride	181309-3	20 ug/l	111	50.0-145	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	181309-3	50 ug/l	99.2	75.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Dibromofluoromethane	181309-3	50 ug/l	99.4	85.0-115	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		
Toluene-D8	181309-3	50 ug/l	101	85.0-120	V8570	06Aug14 1100 by 301	06Aug14 1154 by 301		

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	< 0.83 ug/l	0.83	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Acenaphthylene	< 0.79 ug/l	0.79	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Anthracene	< 1.5 ug/l	1.5	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Benzidine	< 14 ug/l	14	25	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Benzo(a)anthracene	< 0.75 ug/l	0.75	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Benzo(a)pyrene	< 0.63 ug/l	0.63	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Benzo(g,h,i)perylene	< 0.79 ug/l	0.79	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Benzo(k)fluoranthene	< 1.6 ug/l	1.6	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
3,4-Benzofluoranthene	< 1.4 ug/l	1.4	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Bis(2-chloroethoxy)methane	< 0.80 ug/l	0.80	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Bis(2-chloroethyl)ether	< 0.88 ug/l	0.88	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Bis(2-chloroisopropyl)ether	< 0.94 ug/l	0.94	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Bis(2-ethylhexyl)phthalate	< 3.8 ug/l	3.8	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
4-Bromophenyl phenyl ether	< 1.2 ug/l	1.2	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Butylbenzyl phthalate	< 1.5 ug/l	1.5	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2-Chloronaphthalene	< 0.84 ug/l	0.84	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2-Chlorophenol	< 2.1 ug/l	2.1	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
4-Chlorophenyl phenyl ether	< 0.96 ug/l	0.96	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Chrysene	< 0.83 ug/l	0.83	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Di-n-butyl phthalate	< 1.1 ug/l	1.1	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Di-n-octyl phthalate	< 0.70 ug/l	0.70	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Dibenz(a,h)anthracene	< 1.2 ug/l	1.2	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
3,3'-Dichlorobenzidine	< 4.9 ug/l	4.9	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4-Dichlorophenol	< 0.51 ug/l	0.51	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Diethyl phthalate	< 0.85 ug/l	0.85	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Dimethyl phthalate	< 0.93 ug/l	0.93	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4-Dimethylphenol	< 0.79 ug/l	0.79	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
4,6-Dinitro-o-cresol	< 0.75 ug/l	0.75	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4-Dinitrophenol	< 0.74 ug/l	0.74	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4-Dinitrotoluene	< 0.51 ug/l	0.51	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,6-Dinitrotoluene	< 0.83 ug/l	0.83	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
1,2-Diphenylhydrazine	< 0.60 ug/l	0.60	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Fluoranthene	< 0.96 ug/l	0.96	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Fluorene	< 0.99 ug/l	0.99	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Hexachlorobenzene	< 1.1 ug/l	1.1	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Hexachlorobutadiene	< 0.71 ug/l	0.71	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Hexachlorocyclopentadiene	< 0.74 ug/l	0.74	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Hexachloroethane	< 0.73 ug/l	0.73	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Indeno(1,2,3-cd)pyrene	< 1.2 ug/l	1.2	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Isophorone	< 0.90 ug/l	0.90	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
n-Nitrosodi-n-propylamine	< 0.90 ug/l	0.90	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
n-Nitrosodimethylamine	< 2.5 ug/l	2.5	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
n-Nitrosodiphenylamine	< 1.1 ug/l	1.1	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	R
Naphthalene	< 0.87 ug/l	0.87	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Nitrobenzene	< 0.85 ug/l	0.85	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2-Nitrophenol	< 0.82 ug/l	0.82	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
4-Nitrophenol	< 0.70 ug/l	0.70	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
p-Chloro-m-cresol	< 1.7 ug/l	1.7	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Pentachlorophenol	< 0.94 ug/l	0.94	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	

Arkansas Testing Laboratories
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Searcy, AR 72143

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Phenanthrene	< 0.93 ug/l	0.93	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Phenol	< 2.6 ug/l	2.6	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Pyrene	< 0.56 ug/l	0.56	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
1,2,4-Trichlorobenzene	< 0.87 ug/l	0.87	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4,6-Trichlorophenol	< 1.4 ug/l	1.4	5.0	B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (50.0-110%)	78.5 %			B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2-Fluorophenol (20.0-110%)	55.4 %			B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Nitrobenzene-D5 (40.0-110%)	85.0 %			B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Terphenyl-D14 (50.0-135%)	109 %			B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
2,4,6-Tribromophenol (40.0-125%)	46.9 %			B9101-1	06Aug14 0850 by 306	06Aug14 1517 by 301	
Volatile Organic Compounds							
Acrolein	< 0.78 ug/l	0.78	25	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Acrylonitrile	< 0.63 ug/l	0.63	25	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Benzene	< 0.12 ug/l	0.12	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Bromoform	< 0.26 ug/l	0.26	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Carbon tetrachloride	< 0.21 ug/l	0.21	2.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Chlorobenzene	< 0.11 ug/l	0.11	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Chlorodibromomethane	< 0.11 ug/l	0.11	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Chloroethane	< 0.35 ug/l	0.35	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
2-Chloroethyl vinyl ether	< 0.24 ug/l	0.24	10	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Chloroform	< 0.16 ug/l	0.16	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,2-Dichlorobenzene	< 0.17 ug/l	0.17	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,3-Dichlorobenzene	< 0.14 ug/l	0.14	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,4-Dichlorobenzene	< 0.19 ug/l	0.19	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Dichlorobromomethane	< 0.17 ug/l	0.17	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,1-Dichloroethane	< 0.15 ug/l	0.15	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,2-Dichloroethane	< 0.21 ug/l	0.21	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,1-Dichloroethylene	< 0.24 ug/l	0.24	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
trans-1,2-Dichloroethylene	< 0.20 ug/l	0.20	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,2-Dichloropropane	< 0.19 ug/l	0.19	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
cis-1,3-Dichloropropylene	< 0.14 ug/l	0.14	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
trans-1,3-Dichloropropylene	< 0.20 ug/l	0.20	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Ethylbenzene	< 0.12 ug/l	0.12	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Methyl bromide(Bromomethane)	< 0.16 ug/l	0.16	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Methyl chloride(Chloromethane)	< 0.19 ug/l	0.19	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Methylene chloride	< 0.25 ug/l	0.25	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,1,2,2-Tetrachloroethane	< 0.20 ug/l	0.20	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Tetrachloroethylene	< 0.18 ug/l	0.18	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Toluene	< 0.16 ug/l	0.16	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,1,1-Trichloroethane	< 0.13 ug/l	0.13	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
1,1,2-Trichloroethane	< 0.19 ug/l	0.19	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Trichloroethylene	< 0.22 ug/l	0.22	5.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Vinyl chloride	< 0.47 ug/l	0.47	2.0	V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (75.0-120%)	99.9 %			V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Dibromofluoromethane (85.0-115%)	96.8 %			V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	
Toluene-D8 (85.0-120%)	102 %			V8570-1	06Aug14 1100 by 301	06Aug14 1309 by 301	

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: July 30, 2014

1:15 PM

Wastewater Analysis

Collection Place: Effluent

Collected By: BET

Parameter	Date / Time Begin	Date / Time End	Results	Unit	Ldg (lbs/dy)	Analyst	% Spike	Rel %	Sample Type	Ref #
Cadmium	08/07 1:49 PM	NA	< 0.004	mg/l	NA	KLB	105.6	0.74	Grab	1
Chromium	08/07 1:49 PM	NA	< 0.004	mg/l	NA	KLB	106.6	0.00	Grab	1
Copper	08/07 1:49 PM	NA	< 0.004	mg/l	NA	KLB	99.0	0.00	Grab	1
Lead	08/07 1:49 PM	NA	< 0.02	mg/l	NA	KLB	96.8	0.34	Grab	1
Nickel	08/07 1:49 PM	NA	0.004	97.1	NA	KLB	97.1	9.69	Grab	1
Silver	08/07 1:49 PM	NA	< 0.003	mg/l	NA	KLB	108.9	0.00	Grab	1
Zinc	08/07 1:49 PM	NA	< 0.01	mg/l	NA	KLB	97.9	0.53	Grab	1
pH	07/30 1:16 PM	NA	7.83	S.U.	NA	BET	NA	0.14	GRAB	3
Cyanide, Total	08/06 10:15 AM	NA	< 0.01	mg/l	NA	KLB	93.1	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

References:

Analysis complies with 40 CFR Part 136:

1. SM 3111B
2. See attached American Interplex Report 165660
3. SM 4500 HB
4. SM 4500-CN-E


 Neville Adams, Manager

