

Jamie Belcourt (adpce.ad)

From: Jamie Belcourt (adpce.ad)
Sent: Thursday, August 3, 2023 3:53 PM
To: 'doug.smith@intimidatorutv.com'; 'David Langley'
Subject: Intimidator - ARP001028 - June 2023 Semiannual Pretreatment Report

Hello,

The June/July 2023 semiannual pretreatment report for Intimidator Group (ARP001028) was received, reviewed, and 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 C.F.R. § 433.17.

Thank you,

Jamie Belcourt | Pretreatment Coordinator

Division of Environmental Quality | Office of Water Quality
Policy & Administration

5301 Northshore Drive | North Little Rock, AR 72118

t: 501.682.0858 | c: 501.287.8714 | e: jamie.belcourt@adeq.state.ar.us



SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e).

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Intimidator, LLC
1 Bad Boy Blvd
Batesville, AR 72501

B. FACILITY & LOCATION ADDRESS

Building 1 Paint

C. FACILITY CONTACT: **David Langley**

TELEPHONE NUMBER: **870-569-5019**

E-MAIL: **david.langley@intimidatorutv.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: **January 2023** TO: **June 2023**

(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

___ Pretreatment wash:

Stage 1: acid rinse

Stage 2: fresh water rinse

Stage 3: fresh water rinse

Stage 4: acid rinse

Stage 5: freshwater rinse

*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

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.

None

C. Number of Regular Employees at this Facility 300

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)	5,000	10,000	
Regulated (Cyanide)			
§403.6(e) Unregulated*			
§403.6(e) Dilute			
Cooling Water			
Sanitary	15,000	30,000	
Total Flow to POTW	20,000	40,000	*****

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

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

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

B. COMMENTS ON TREATMENT SYSTEM

Stage 1 pretreatment wash step is collected and sent offsite

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	0.055	0.65	--
Max Measured	<.02	<.02	0.03	<.02	.02	<.02	.148	<0.01	
Ave Measured									

Sample Location Pit outside

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:

(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.

David Langley
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

EHS Manager
OFFICIAL TITLE

07/07/2023
DATE SIGNED

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

(501) 268-6431 f (844) 318-7030

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

INTIMIDATOR

Collection Date: June 19, 2023
 Collection Time: 10:02 AM
 Collected By: JMP

Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin		Analysis End		Results	Unit	Analyst	% Spike	Rel %	Sample Type	Ref #
	Date	Time	Date	Time							
pH	06/19	10:02 AM	NA		8.22	S.U.	JMP	NA	0.00	Grab	4
Cyanide	06/20	10:45 AM	NA		< 0.01	mg/l	KLB	99.9	0.00	Grab	5
Cadmium	06/23	3:32 PM	NA		< 0.02	mg/l	KLB	100.2	0.67	Grab	7
Chromium	06/23	3:32 PM	NA		< 0.02	mg/l	KLB	100.9	1.63	Grab	7
Copper	06/23	3:32 PM	NA		0.020	mg/l	KLB	99.9	1.33	Grab	7
Lead	06/23	3:32 PM	NA		< 0.02	mg/l	KLB	103.3	1.28	Grab	7
Nickel	06/23	3:32 PM	NA		< 0.02	mg/l	KLB	99.1	0.64	Grab	7
Zinc	06/23	3:32 PM	NA		0.039	mg/l	KLB	99.9	1.44	Grab	7
Silver	06/23	3:32 PM	NA		< 0.02	mg/l	KLB	100.3	0.57	Grab	7

Base/Neutral/Acid Compounds

Volatiles/Semi-Volatiles

EUROFINS REPORT #192-2795-1 ATTACHED

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:

4. SM 4500-HB-2011
5. SM 4500-CN-E-2016
7. SM 3120B-2011


 Neville Adams, Manager

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: **Intimidator**

SAMPLE TYPE	SAMPLE MATRIX W=H2O S=SLUDGE D=SOIL C=WELL	SAMPLED BY: <i>JP</i>								PARAMETERS				
		DATE	TIME	Grab / Comp	pH	CALIBRATION		PRESERVATIVES						
						pH / DO #	NP-Iced	HCl	NaOH	HNO3				
EFF	W	<i>6-19</i>	<i>10:02</i>	Grab	<i>8.27</i>					Semi-vol	Volatiles	Cyanide	Metals	

Comments:

COLLECT:

REC'D INTO THE LAB
 13.1 °C (Office)

Relinquished by: <i>JP</i>	Date/Time: <i>6-19-23</i>	Received by: <i>[Signature]</i>	Date/Time: <i>6-19-23</i>
Relinquished by:	Date/Time: <i>11:16</i>	Received by: (Into the Lab)	Date/Time: <i>11:16</i>

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 7/5/2023 11:32:43 AM

JOB DESCRIPTION

2999

JOB NUMBER

192-2795-1

Eurofins Arkansas

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Steve Bradford, Lab Director
steve.bradford@et.eurofinsus.com
(501)224-5060

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Definitions/Glossary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Job ID: 192-2795-1

Laboratory: Eurofins Arkansas

Narrative

Job Narrative
192-2795-1

Comments

No additional comments.

Receipt

The sample was received on 6/19/2023 2:57 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Client Sample ID: Intimidator

Lab Sample ID: 192-2795-1

Date Collected: 06/19/23 10:02

Matrix: Water

Date Received: 06/19/23 14:57

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<20		20	ug/L			06/21/23 13:27	1
Benzene	<5.0		5.0	ug/L			06/21/23 13:27	1
Acrylonitrile	<10		10	ug/L			06/21/23 13:27	1
Bromodichloromethane	<5.0		5.0	ug/L			06/21/23 13:27	1
Bromoform	<5.0		5.0	ug/L			06/21/23 13:27	1
Bromomethane	<5.0		5.0	ug/L			07/03/23 14:42	1
Carbon tetrachloride	<2.0		2.0	ug/L			06/21/23 13:27	1
Chlorobenzene	<5.0		5.0	ug/L			06/21/23 13:27	1
Chloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
2-Chloroethyl vinyl ether	<10		10	ug/L			06/21/23 13:27	1
Chloroform	<4.0		4.0	ug/L			06/21/23 13:27	1
Chloromethane	<5.0		5.0	ug/L			06/21/23 13:27	1
Dibromochloromethane	<5.0		5.0	ug/L			06/21/23 13:27	1
1,2-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 13:27	1
1,4-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 13:27	1
1,3-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 13:27	1
1,1-Dichloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
1,2-Dichloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
1,1-Dichloroethene	<5.0		5.0	ug/L			06/21/23 13:27	1
trans-1,2-Dichloroethene	<2.0		2.0	ug/L			06/21/23 13:27	1
1,2-Dichloropropane	<5.0		5.0	ug/L			06/21/23 13:27	1
cis-1,3-Dichloropropene	<5.0		5.0	ug/L			06/21/23 13:27	1
trans-1,3-Dichloropropene	<5.0		5.0	ug/L			06/21/23 13:27	1
Ethylbenzene	<5.0		5.0	ug/L			06/21/23 13:27	1
Methylene Chloride	<5.0		5.0	ug/L			06/21/23 13:27	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
Tetrachloroethene	<5.0		5.0	ug/L			06/21/23 13:27	1
Toluene	<5.0		5.0	ug/L			06/21/23 13:27	1
1,1,1-Trichloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
1,1,2-Trichloroethane	<5.0		5.0	ug/L			06/21/23 13:27	1
Trichloroethene	<5.0		5.0	ug/L			06/21/23 13:27	1
Vinyl chloride	<2.0		2.0	ug/L			06/21/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		90 - 109		06/21/23 13:27	1
Dibromofluoromethane (Surr)	103		90 - 109		07/03/23 14:42	1
Toluene-d8 (Surr)	97		87 - 112		06/21/23 13:27	1
Toluene-d8 (Surr)	91		87 - 112		07/03/23 14:42	1
4-Bromofluorobenzene (Surr)	98		86 - 112		06/21/23 13:27	1
4-Bromofluorobenzene (Surr)	89		86 - 112		07/03/23 14:42	1

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Acenaphthylene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Benzidine	<50		50	ug/L		06/22/23 08:07	06/24/23 01:38	1
Benzo[a]anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Benzo[a]pyrene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Benzo[b]fluoranthene	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1

Eurofins Arkansas

Client Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Client Sample ID: Intimidator

Date Collected: 06/19/23 10:02

Date Received: 06/19/23 14:57

Lab Sample ID: 192-2795-1

Matrix: Water

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
Benzo[k]fluoranthene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Bis(2-chloroethoxy)methane	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Bis(2-chloroethyl)ether	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
bis (2-chloroisopropyl) ether	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
Bis(2-ethylhexyl) phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
4-Bromophenyl phenyl ether	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Butyl benzyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2-Chloronaphthalene	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
4-Chlorophenyl phenyl ether	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Chrysene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Dibenz(a,h)anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
1,2-Dichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
1,3-Dichlorobenzene	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
1,4-Dichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
3,3'-Dichlorobenzidine	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Diethyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Dimethyl phthalate	<4.0		4.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Di-n-butyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2,4-Dinitrotoluene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2,6-Dinitrotoluene	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
Di-n-octyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
1,2-Diphenylhydrazine	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Fluoranthene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Fluorene	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
Hexachlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Hexachlorobutadiene	<2.0		2.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Hexachlorocyclopentadiene	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
Hexachloroethane	<4.0		4.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Indeno[1,2,3-cd]pyrene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Isophorone	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Naphthalene	<4.0		4.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Nitrobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
N-Nitrosodimethylamine	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
N-Nitrosodi-n-propylamine	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
N-Nitrosodiphenylamine	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
Phenanthrene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Pyrene	<5.0	*-	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
1,2,4-Trichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2-Chlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2,4-Dichlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
2,4-Dimethylphenol	<5.0	*- *1	5.0	ug/L		06/22/23 08:07	07/03/23 14:43	1
4,6-Dinitro-2-methylphenol	<10	*-	10	ug/L		06/22/23 08:07	07/03/23 14:43	1
2,4-Dinitrophenol	<10		10	ug/L		06/22/23 08:07	06/24/23 01:38	1
2-Nitrophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
4-Nitrophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
4-Chloro-3-methylphenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Pentachlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Phenol	<4.0		4.0	ug/L		06/22/23 08:07	06/24/23 01:38	1

Client Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Client Sample ID: Intimidator

Lab Sample ID: 192-2795-1

Date Collected: 06/19/23 10:02

Matrix: Water

Date Received: 06/19/23 14:57

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/24/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	51		33 - 96			06/22/23 08:07	06/24/23 01:38	1
2-Fluorophenol (Surr)	24	S1-	33 - 96			06/22/23 08:07	07/03/23 14:43	1
Nitrobenzene-d5 (Surr)	52	S1-	54 - 111			06/22/23 08:07	06/24/23 01:38	1
Nitrobenzene-d5 (Surr)	54		54 - 111			06/22/23 08:07	07/03/23 14:43	1
p-Terphenyl-d14 (Surr)	68		46 - 121			06/22/23 08:07	06/24/23 01:38	1
p-Terphenyl-d14 (Surr)	64		46 - 121			06/22/23 08:07	07/03/23 14:43	1
2,4,6-Tribromophenol (Surr)	68		35 - 125			06/22/23 08:07	06/24/23 01:38	1
2,4,6-Tribromophenol (Surr)	27	S1-	35 - 125			06/22/23 08:07	07/03/23 14:43	1
2-Fluorobiphenyl (Surr)	70		49 - 108			06/22/23 08:07	06/24/23 01:38	1
2-Fluorobiphenyl (Surr)	55		49 - 108			06/22/23 08:07	07/03/23 14:43	1

Surrogate Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (90-109)	TOL (87-112)	BFB (86-112)
192-2635-A-1-A MS	Matrix Spike	98	99	99
192-2635-A-1-A MSD	Matrix Spike Duplicate	100	100	102
192-2795-1	Intimidator	98	97	98
192-2795-1	Intimidator	103	91	89
LCS 192-3891/5	Lab Control Sample	98	98	102
LCS 192-4295/5	Lab Control Sample	99	104	105
MB 192-3891/7	Method Blank	98	97	97
MB 192-4295/7	Method Blank	104	93	89

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)				
		2FP (33-96)	NBZ (54-111)	TPHd14 (46-121)	TBP (35-125)	FBP (49-108)
192-2795-1	Intimidator	51	52 S1-	68	68	70
192-2795-1	Intimidator	24 S1-	54	64	27 S1-	55
LCS 192-3863/2-A	Lab Control Sample	62	69	64	78	72
LCS 192-3863/3-A	Lab Control Sample Dup	64	74	68	79	76
MB 192-3863/1-A	Method Blank	36	71	64	28 S1-	71

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)				
		2FP (33-96)	NBZ (54-111)	TPHd14 (46-121)	TBP (35-125)	FBP (49-108)
192-2761-A-1-M MS	Matrix Spike	24 S1-	55	38 S1-	23 S1-	49
192-2761-A-1-N MSD	Matrix Spike Duplicate	20 S1-	57	36 S1-	14 S1-	49

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 192-3891/7
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<5.0		5.0	ug/L			06/21/23 12:57	1
Bromodichloromethane	<5.0		5.0	ug/L			06/21/23 12:57	1
Bromoform	<5.0		5.0	ug/L			06/21/23 12:57	1
Bromomethane	<5.0		5.0	ug/L			06/21/23 12:57	1
Carbon tetrachloride	<2.0		2.0	ug/L			06/21/23 12:57	1
Chlorobenzene	<5.0		5.0	ug/L			06/21/23 12:57	1
Chloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
2-Chloroethyl vinyl ether	<10		10	ug/L			06/21/23 12:57	1
Chloroform	<4.0		4.0	ug/L			06/21/23 12:57	1
Chloromethane	<5.0		5.0	ug/L			06/21/23 12:57	1
Dibromochloromethane	<5.0		5.0	ug/L			06/21/23 12:57	1
1,2-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 12:57	1
1,4-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 12:57	1
1,3-Dichlorobenzene	<5.0		5.0	ug/L			06/21/23 12:57	1
1,1-Dichloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
1,2-Dichloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
1,1-Dichloroethene	<5.0		5.0	ug/L			06/21/23 12:57	1
trans-1,2-Dichloroethene	<2.0		2.0	ug/L			06/21/23 12:57	1
1,2-Dichloropropane	<5.0		5.0	ug/L			06/21/23 12:57	1
cis-1,3-Dichloropropene	<5.0		5.0	ug/L			06/21/23 12:57	1
trans-1,3-Dichloropropene	<5.0		5.0	ug/L			06/21/23 12:57	1
Ethylbenzene	<5.0		5.0	ug/L			06/21/23 12:57	1
Methylene Chloride	<5.0		5.0	ug/L			06/21/23 12:57	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
Tetrachloroethene	<5.0		5.0	ug/L			06/21/23 12:57	1
Toluene	<5.0		5.0	ug/L			06/21/23 12:57	1
1,1,1-Trichloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
1,1,2-Trichloroethane	<5.0		5.0	ug/L			06/21/23 12:57	1
Trichloroethene	<5.0		5.0	ug/L			06/21/23 12:57	1
Vinyl chloride	<2.0		2.0	ug/L			06/21/23 12:57	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	98		90 - 109		06/21/23 12:57	1
Toluene-d8 (Surr)	97		87 - 112		06/21/23 12:57	1
4-Bromofluorobenzene (Surr)	97		86 - 112		06/21/23 12:57	1

Lab Sample ID: LCS 192-3891/5
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	50.2	55.3		ug/L		110	70 - 130
Bromoform	49.9	60.5		ug/L		121	70 - 130
Bromomethane	50.8	27.3	*-	ug/L		54	70 - 130
Carbon tetrachloride	50.0	55.2		ug/L		110	70 - 130
Chlorobenzene	50.0	52.9		ug/L		106	70 - 130
Chloroethane	51.5	51.3		ug/L		100	70 - 130

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QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 192-3891/5
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2-Chloroethyl vinyl ether	101	108		ug/L		107	70 - 130
Chloroform	50.2	49.3		ug/L		98	70 - 130
Chloromethane	49.5	43.4		ug/L		88	70 - 130
Dibromochloromethane	50.7	49.3		ug/L		97	70 - 130
1,2-Dichlorobenzene	50.0	54.8		ug/L		109	70 - 130
1,4-Dichlorobenzene	50.2	54.0		ug/L		107	70 - 130
1,3-Dichlorobenzene	50.1	53.6		ug/L		107	70 - 130
1,1-Dichloroethane	50.0	52.2		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	53.3		ug/L		107	70 - 130
1,1-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,2-Dichloroethene	49.9	53.6		ug/L		108	70 - 130
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130
cis-1,3-Dichloropropene	50.1	51.4		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.1	56.4		ug/L		113	70 - 130
Ethylbenzene	50.0	53.4		ug/L		107	70 - 130
Methylene Chloride	50.1	52.1		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.5	55.9		ug/L		111	70 - 130
Tetrachloroethene	50.3	53.2		ug/L		106	70 - 130
Toluene	49.9	53.2		ug/L		107	70 - 130
1,1,1-Trichloroethane	50.2	52.7		ug/L		105	70 - 130
1,1,2-Trichloroethane	49.8	53.5		ug/L		107	70 - 130
Trichloroethene	49.7	52.9		ug/L		107	70 - 130
Vinyl chloride	50.4	45.0		ug/L		89	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	98		90 - 109
Toluene-d8 (Surr)	98		87 - 112
4-Bromofluorobenzene (Surr)	102		86 - 112

Lab Sample ID: 192-2635-A-1-A MS
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	<5.0		49.8	48.0		ug/L		96	37 - 151
Bromodichloromethane	<5.0		50.2	51.5		ug/L		103	35 - 155
Bromoform	<5.0		49.9	56.7		ug/L		113	45 - 169
Bromomethane	<5.0	*-	50.8	27.4		ug/L		54	1 - 242
Carbon tetrachloride	<2.0		50.0	50.6		ug/L		101	70 - 140
Chlorobenzene	<5.0		50.0	49.1		ug/L		98	37 - 160
Chloroethane	<5.0		51.5	44.5		ug/L		86	14 - 230
2-Chloroethyl vinyl ether	<10		101	102		ug/L		101	1 - 305
Chloroform	<4.0		50.2	45.9		ug/L		91	51 - 138
Chloromethane	<5.0		49.5	40.6		ug/L		82	1 - 273
Dibromochloromethane	<5.0		50.7	46.6		ug/L		92	53 - 149
1,2-Dichlorobenzene	<5.0		50.0	50.4		ug/L		101	18 - 190
1,4-Dichlorobenzene	<5.0		50.2	49.6		ug/L		99	18 - 190
1,3-Dichlorobenzene	<5.0		50.1	49.6		ug/L		99	59 - 156

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 192-2635-A-1-A MS
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
1,1-Dichloroethane	<5.0		50.0	48.5		ug/L		97	59 - 155	
1,2-Dichloroethane	<5.0		50.0	50.0		ug/L		100	49 - 155	
1,1-Dichloroethene	<5.0		50.0	49.9		ug/L		100	1 - 234	
trans-1,2-Dichloroethene	<2.0		49.9	50.5		ug/L		101	54 - 156	
1,2-Dichloropropane	<5.0		50.0	48.0		ug/L		96	1 - 210	
cis-1,3-Dichloropropene	<5.0		50.1	47.4		ug/L		95	1 - 227	
trans-1,3-Dichloropropene	<5.0		50.1	51.2		ug/L		102	17 - 183	
Ethylbenzene	<5.0		50.0	49.6		ug/L		99	37 - 162	
Methylene Chloride	<5.0		50.1	48.1		ug/L		96	1 - 221	
1,1,2,2-Tetrachloroethane	<5.0		50.5	51.7		ug/L		102	46 - 157	
Tetrachloroethene	<5.0		50.3	49.8		ug/L		99	64 - 148	
Toluene	<5.0		49.9	49.3		ug/L		99	47 - 150	
1,1,1-Trichloroethane	<5.0		50.2	49.2		ug/L		98	52 - 162	
1,1,2-Trichloroethane	<5.0		49.8	50.5		ug/L		101	52 - 150	
Trichloroethene	<5.0		49.7	49.5		ug/L		100	70 - 157	
Vinyl chloride	<2.0		50.4	42.9		ug/L		85	1 - 251	
		MS MS								
Surrogate		%Recovery	Qualifier							Limits
Dibromofluoromethane (Surr)		98								90 - 109
Toluene-d8 (Surr)		99								87 - 112
4-Bromofluorobenzene (Surr)		99								86 - 112

Lab Sample ID: 192-2635-A-1-A MSD
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<5.0		49.8	49.2		ug/L		99	37 - 151	2	61	
Bromodichloromethane	<5.0		50.2	52.9		ug/L		105	35 - 155	3	56	
Bromoform	<5.0		49.9	57.4		ug/L		115	45 - 169	1	42	
Bromomethane	<5.0	*	50.8	32.1		ug/L		63	1 - 242	16	61	
Carbon tetrachloride	<2.0		50.0	53.9		ug/L		108	70 - 140	6	41	
Chlorobenzene	<5.0		50.0	50.5		ug/L		101	37 - 160	3	53	
Chloroethane	<5.0		51.5	46.7		ug/L		91	14 - 230	5	78	
2-Chloroethyl vinyl ether	<10		101	102		ug/L		101	1 - 305	0	71	
Chloroform	<4.0		50.2	47.8		ug/L		95	51 - 138	4	54	
Chloromethane	<5.0		49.5	41.1		ug/L		83	1 - 273	1	60	
Dibromochloromethane	<5.0		50.7	47.3		ug/L		93	53 - 149	1	50	
1,2-Dichlorobenzene	<5.0		50.0	52.0		ug/L		104	18 - 190	3	57	
1,4-Dichlorobenzene	<5.0		50.2	51.5		ug/L		103	18 - 190	4	57	
1,3-Dichlorobenzene	<5.0		50.1	51.2		ug/L		102	59 - 156	3	43	
1,1-Dichloroethane	<5.0		50.0	50.2		ug/L		101	59 - 155	4	40	
1,2-Dichloroethane	<5.0		50.0	51.0		ug/L		102	49 - 155	2	49	
trans-1,2-Dichloroethene	<2.0		50.0	51.4		ug/L		103	1 - 234	3	32	
1,2-Dichloropropane	<5.0		49.9	51.6		ug/L		103	54 - 156	2	45	
cis-1,3-Dichloropropene	<5.0		50.0	49.5		ug/L		99	1 - 210	3	55	
trans-1,3-Dichloropropene	<5.0		50.1	48.6		ug/L		97	1 - 227	3	58	
			50.1	52.6		ug/L		105	17 - 183	3	86	

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 192-2635-A-1-A MSD
Matrix: Water
Analysis Batch: 3891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Ethylbenzene	<5.0		50.0	51.5		ug/L		103	37 - 162	4	63
Methylene Chloride	<5.0		50.1	49.2		ug/L		98	1 - 221	2	28
1,1,2,2-Tetrachloroethane	<5.0		50.5	52.5		ug/L		104	46 - 157	2	61
Tetrachloroethene	<5.0		50.3	52.3		ug/L		104	64 - 148	5	39
Toluene	<5.0		49.9	50.4		ug/L		101	47 - 150	2	41
1,1,1-Trichloroethane	<5.0		50.2	51.4		ug/L		102	52 - 162	4	36
1,1,2-Trichloroethane	<5.0		49.8	50.8		ug/L		102	52 - 150	1	45
Trichloroethene	<5.0		49.7	50.9		ug/L		103	70 - 157	3	48
Vinyl chloride	<2.0		50.4	44.2		ug/L		88	1 - 251	3	66
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
Dibromofluoromethane (Surr)	100		90 - 109								
Toluene-d8 (Surr)	100		87 - 112								
4-Bromofluorobenzene (Surr)	102		86 - 112								

Lab Sample ID: MB 192-3892/7
Matrix: Water
Analysis Batch: 3892

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Acrolein	<20		20	ug/L			06/21/23 12:57	1
Acrylonitrile	<10		10	ug/L			06/21/23 12:57	1

Lab Sample ID: LCS 192-3892/5
Matrix: Water
Analysis Batch: 3892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Acrolein	251	266		ug/L		106	70 - 130
Acrylonitrile	251	272		ug/L		109	70 - 130

Lab Sample ID: 192-2635-A-1-A MS
Matrix: Water
Analysis Batch: 3892

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
Acrolein	<20		251	246		ug/L		98	40 - 160
Acrylonitrile	<10		251	257		ug/L		102	40 - 160

Lab Sample ID: 192-2635-A-1-A MSD
Matrix: Water
Analysis Batch: 3892

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acrolein	<20		251	244		ug/L		97	40 - 160	1	60
Acrylonitrile	<10		251	252		ug/L		101	40 - 160	2	60

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 192-4295/7
Matrix: Water
Analysis Batch: 4295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	ug/L			07/03/23 14:12	1
Bromodichloromethane	<5.0		5.0	ug/L			07/03/23 14:12	1
Bromoform	<5.0		5.0	ug/L			07/03/23 14:12	1
Bromomethane	<5.0		5.0	ug/L			07/03/23 14:12	1
Carbon tetrachloride	<2.0		2.0	ug/L			07/03/23 14:12	1
Chlorobenzene	<5.0		5.0	ug/L			07/03/23 14:12	1
Chloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
2-Chloroethyl vinyl ether	<10		10	ug/L			07/03/23 14:12	1
Chloroform	<4.0		4.0	ug/L			07/03/23 14:12	1
Chloromethane	<5.0		5.0	ug/L			07/03/23 14:12	1
Dibromochloromethane	<5.0		5.0	ug/L			07/03/23 14:12	1
1,2-Dichlorobenzene	<5.0		5.0	ug/L			07/03/23 14:12	1
1,4-Dichlorobenzene	<5.0		5.0	ug/L			07/03/23 14:12	1
1,3-Dichlorobenzene	<5.0		5.0	ug/L			07/03/23 14:12	1
1,1-Dichloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
1,2-Dichloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
1,1-Dichloroethene	<5.0		5.0	ug/L			07/03/23 14:12	1
trans-1,2-Dichloroethene	<2.0		2.0	ug/L			07/03/23 14:12	1
1,2-Dichloropropane	<5.0		5.0	ug/L			07/03/23 14:12	1
cis-1,3-Dichloropropene	<5.0		5.0	ug/L			07/03/23 14:12	1
trans-1,3-Dichloropropene	<5.0		5.0	ug/L			07/03/23 14:12	1
Ethylbenzene	<5.0		5.0	ug/L			07/03/23 14:12	1
Methylene Chloride	<5.0		5.0	ug/L			07/03/23 14:12	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
Tetrachloroethene	<5.0		5.0	ug/L			07/03/23 14:12	1
Toluene	<5.0		5.0	ug/L			07/03/23 14:12	1
1,1,1-Trichloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
1,1,2-Trichloroethane	<5.0		5.0	ug/L			07/03/23 14:12	1
Trichloroethene	<5.0		5.0	ug/L			07/03/23 14:12	1
Vinyl chloride	<2.0		2.0	ug/L			07/03/23 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		90 - 109		07/03/23 14:12	1
Toluene-d8 (Surr)	93		87 - 112		07/03/23 14:12	1
4-Bromofluorobenzene (Surr)	89		86 - 112		07/03/23 14:12	1

Lab Sample ID: LCS 192-4295/5
Matrix: Water
Analysis Batch: 4295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	49.8	50.6		ug/L		102	70 - 130
Bromodichloromethane	50.2	52.0		ug/L		104	70 - 130
Bromoform	49.9	51.6		ug/L		103	70 - 130
Bromomethane	50.8	46.4		ug/L		91	70 - 130
Carbon tetrachloride	50.0	47.7		ug/L		95	70 - 130
Chlorobenzene	50.0	49.5		ug/L		99	70 - 130
Chloroethane	51.5	49.4		ug/L		96	70 - 130

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QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 192-4295/5

Matrix: Water

Analysis Batch: 4295

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	101	80.9		ug/L		80	70 - 130
Chloroform	50.2	48.6		ug/L		97	70 - 130
Chloromethane	49.5	49.9		ug/L		101	70 - 130
Dibromochloromethane	50.7	45.3		ug/L		89	70 - 130
1,2-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.2	50.8		ug/L		101	70 - 130
1,3-Dichlorobenzene	50.1	50.5		ug/L		101	70 - 130
1,1-Dichloroethane	50.0	49.5		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	50.5		ug/L		101	70 - 130
1,1-Dichloroethene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	49.9	50.4		ug/L		101	70 - 130
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130
cis-1,3-Dichloropropene	50.1	52.5		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.1	54.6		ug/L		109	70 - 130
Ethylbenzene	50.0	52.6		ug/L		105	70 - 130
Methylene Chloride	50.1	49.4		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	50.5	48.5		ug/L		96	70 - 130
Tetrachloroethene	50.3	49.8		ug/L		99	70 - 130
Toluene	49.9	51.1		ug/L		103	70 - 130
1,1,1-Trichloroethane	50.2	48.6		ug/L		97	70 - 130
1,1,2-Trichloroethane	49.8	50.8		ug/L		102	70 - 130
Trichloroethene	49.7	50.0		ug/L		101	70 - 130
Vinyl chloride	50.4	47.4		ug/L		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	99		90 - 109
Toluene-d8 (Surr)	104		87 - 112
4-Bromofluorobenzene (Surr)	105		86 - 112

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 192-3863/1-A

Matrix: Water

Analysis Batch: 4233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3863

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Acenaphthene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Acenaphthylene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzidine	<50		50	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzo[a]anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzo[a]pyrene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzo[b]fluoranthene	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzo[g,h,i]perylene	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
Benzo[k]fluoranthene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Bis(2-chloroethoxy)methane	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Bis(2-chloroethyl)ether	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
bis (2-chloroisopropyl) ether	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Bis(2-ethylhexyl) phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1

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QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 192-3863/1-A
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3863

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
4-Bromophenyl phenyl ether	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Butyl benzyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2-Chloronaphthalene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
4-Chlorophenyl phenyl ether	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Chrysene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Dibenz(a,h)anthracene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
1,2-Dichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
1,3-Dichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
1,4-Dichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
3,3'-Dichlorobenzidine	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Diethyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Dimethyl phthalate	<4.0		4.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Di-n-butyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,4-Dinitrotoluene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,6-Dinitrotoluene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Di-n-octyl phthalate	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
1,2-Diphenylhydrazine	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Fluoranthene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Fluorene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Hexachlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Hexachlorobutadiene	<2.0		2.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Hexachlorocyclopentadiene	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
Hexachloroethane	<4.0		4.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Indeno[1,2,3-cd]pyrene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Isophorone	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Naphthalene	<4.0		4.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Nitrobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
N-Nitrosodimethylamine	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
N-Nitrosodi-n-propylamine	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
N-Nitrosodiphenylamine	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
Phenanthrene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Pyrene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
1,2,4-Trichlorobenzene	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2-Chlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,4-Dichlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,4-Dimethylphenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
4,6-Dinitro-2-methylphenol	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,4-Dinitrophenol	<10		10	ug/L		06/22/23 08:07	06/23/23 20:09	1
2-Nitrophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
4-Nitrophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
4-Chloro-3-methylphenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Pentachlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
Phenol	<4.0		4.0	ug/L		06/22/23 08:07	06/23/23 20:09	1
2,4,6-Trichlorophenol	<5.0		5.0	ug/L		06/22/23 08:07	06/23/23 20:09	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	36		33 - 96	06/22/23 08:07	06/23/23 20:09	1
Nitrobenzene-d5 (Surr)	71		54 - 111	06/22/23 08:07	06/23/23 20:09	1

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QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 192-3863/1-A

Matrix: Water

Analysis Batch: 4233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3863

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
p-Terphenyl-d14 (Surr)	64		46 - 121	06/22/23 08:07	06/23/23 20:09	1
2,4,6-Tribromophenol (Surr)	28	S1-	35 - 125	06/22/23 08:07	06/23/23 20:09	1
2-Fluorobiphenyl (Surr)	71		49 - 108	06/22/23 08:07	06/23/23 20:09	1

Lab Sample ID: LCS 192-3863/2-A

Matrix: Water

Analysis Batch: 4233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	20.0	11.9		ug/L		60	60 - 132
Acenaphthylene	20.0	11.4		ug/L		57	54 - 126
Anthracene	20.0	11.9		ug/L		60	43 - 120
Benzo[a]anthracene	20.0	12.5		ug/L		63	42 - 133
Benzo[a]pyrene	20.0	12.1		ug/L		61	32 - 148
Benzo[b]fluoranthene	20.0	12.5		ug/L		63	42 - 140
Benzo[g,h,i]perylene	20.0	11.9		ug/L		60	1 - 195
Benzo[k]fluoranthene	20.0	12.7		ug/L		63	25 - 146
Bis(2-chloroethoxy)methane	20.0	12.2		ug/L		61	49 - 165
Bis(2-chloroethyl)ether	20.0	11.2		ug/L		56	43 - 126
bis (2-chloroisopropyl) ether	20.0	12.1	*-	ug/L		61	63 - 139
Bis(2-ethylhexyl) phthalate	20.0	12.7		ug/L		64	29 - 137
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		69	65 - 120
Butyl benzyl phthalate	20.0	11.6		ug/L		58	1 - 140
2-Chloronaphthalene	20.0	12.0	*-	ug/L		60	65 - 120
4-Chlorophenyl phenyl ether	20.0	12.6		ug/L		63	38 - 145
Chrysene	20.0	13.2		ug/L		66	44 - 140
Dibenz(a,h)anthracene	20.0	11.9		ug/L		60	1 - 200
1,2-Dichlorobenzene	20.0	11.8		ug/L		59	52 - 101
1,3-Dichlorobenzene	20.0	11.0	*-	ug/L		55	56 - 94
1,4-Dichlorobenzene	20.0	10.7		ug/L		54	52 - 97
3,3'-Dichlorobenzidine	20.0	11.5		ug/L		58	8 - 213
Diethyl phthalate	20.0	10.4		ug/L		52	1 - 120
Dimethyl phthalate	20.0	9.05		ug/L		45	1 - 120
Di-n-butyl phthalate	20.0	13.0		ug/L		65	8 - 120
2,4-Dinitrotoluene	20.0	11.6		ug/L		58	48 - 127
2,6-Dinitrotoluene	20.0	11.9	*-	ug/L		59	68 - 137
Di-n-octyl phthalate	20.0	13.9		ug/L		69	19 - 132
1,2-Diphenylhydrazine	20.0	12.1		ug/L		60	52 - 114
Fluoranthene	20.0	12.8		ug/L		64	43 - 121
Fluorene	20.0	12.1	*-	ug/L		60	70 - 120
Hexachlorobenzene	20.0	14.0		ug/L		70	8 - 142
Hexachlorobutadiene	20.0	10.9		ug/L		55	38 - 120
Hexachlorocyclopentadiene	20.0	10.0		ug/L		50	42 - 112
Hexachloroethane	20.0	11.2		ug/L		56	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	11.0		ug/L		55	1 - 151
Isophorone	20.0	11.0		ug/L		55	47 - 180
Naphthalene	20.0	11.0		ug/L		55	36 - 120
Nitrobenzene	20.0	11.7		ug/L		59	54 - 158

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 192-3863/2-A
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	20.0	6.67	J	ug/L		33	31 - 67
N-Nitrosodi-n-propylamine	20.0	12.3		ug/L		61	14 - 198
N-Nitrosodiphenylamine	20.0	12.1		ug/L		61	49 - 111
Phenanthrene	20.0	13.0		ug/L		65	65 - 120
Pyrene	20.0	11.5	*-	ug/L		58	70 - 120
1,2,4-Trichlorobenzene	20.0	11.5		ug/L		57	57 - 130
2-Chlorophenol	20.0	12.0		ug/L		60	36 - 120
2,4-Dichlorophenol	20.0	12.4		ug/L		62	53 - 122
2,4-Dimethylphenol	20.0	9.12		ug/L		46	42 - 120
4,6-Dinitro-2-methylphenol	20.0	10.2	*-	ug/L		51	53 - 130
2,4-Dinitrophenol	20.0	5.47	J	ug/L		27	1 - 173
2-Nitrophenol	20.0	12.7		ug/L		64	45 - 167
4-Nitrophenol	20.0	10.4		ug/L		52	13 - 129
4-Chloro-3-methylphenol	20.0	12.4		ug/L		62	41 - 128
Pentachlorophenol	20.0	9.58		ug/L		48	38 - 152
Phenol	20.0	8.68		ug/L		43	17 - 120
2,4,6-Trichlorophenol	20.0	11.8		ug/L		59	52 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	62		33 - 96
Nitrobenzene-d5 (Surr)	69		54 - 111
p-Terphenyl-d14 (Surr)	64		46 - 121
2,4,6-Tribromophenol (Surr)	78		35 - 125
2-Fluorobiphenyl (Surr)	72		49 - 108

Lab Sample ID: LCSD 192-3863/3-A
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	20.0	13.0		ug/L		65	60 - 132	8	48
Acenaphthylene	20.0	12.2		ug/L		61	54 - 126	6	74
Anthracene	20.0	12.2		ug/L		61	43 - 120	3	66
Benzo[a]anthracene	20.0	13.3		ug/L		66	42 - 133	6	53
Benzo[a]pyrene	20.0	12.7		ug/L		63	32 - 148	4	72
Benzo[b]fluoranthene	20.0	13.1		ug/L		66	42 - 140	5	71
Benzo[g,h,i]perylene	20.0	12.9		ug/L		65	1 - 195	8	97
Benzo[k]fluoranthene	20.0	13.3		ug/L		67	25 - 146	5	63
Bis(2-chloroethoxy)methane	20.0	13.3		ug/L		67	49 - 165	9	54
Bis(2-chloroethyl)ether	20.0	12.5		ug/L		62	43 - 126	11	108
bis (2-chloroisopropyl) ether	20.0	12.8		ug/L		64	63 - 139	6	76
Bis(2-ethylhexyl) phthalate	20.0	13.8		ug/L		69	29 - 137	8	82
4-Bromophenyl phenyl ether	20.0	14.5		ug/L		72	65 - 120	5	43
Butyl benzyl phthalate	20.0	12.8		ug/L		64	1 - 140	10	60
2-Chloronaphthalene	20.0	13.0		ug/L		65	65 - 120	9	24
4-Chlorophenyl phenyl ether	20.0	13.3		ug/L		66	38 - 145	6	61
Chrysene	20.0	13.7		ug/L		69	44 - 140	4	87
Dibenz(a,h)anthracene	20.0	13.1		ug/L		65	1 - 200	9	126

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QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 192-3863/3-A
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1,2-Dichlorobenzene	20.0	12.3		ug/L		61	52 - 101	4	21	
1,3-Dichlorobenzene	20.0	11.2		ug/L		56	56 - 94	2	23	
1,4-Dichlorobenzene	20.0	10.8		ug/L		54	52 - 97	1	21	
3,3'-Dichlorobenzidine	20.0	8.51		ug/L		43	8 - 213	30	108	
Diethyl phthalate	20.0	11.6		ug/L		58	1 - 120	11	100	
Dimethyl phthalate	20.0	11.4		ug/L		57	1 - 120	23	183	
Di-n-butyl phthalate	20.0	13.8		ug/L		69	8 - 120	6	47	
2,4-Dinitrotoluene	20.0	12.3		ug/L		62	48 - 127	6	42	
2,6-Dinitrotoluene	20.0	12.6	*-	ug/L		63	68 - 137	6	48	
Di-n-octyl phthalate	20.0	14.4		ug/L		72	19 - 132	3	69	
1,2-Diphenylhydrazine	20.0	12.5		ug/L		62	52 - 114	3	25	
Fluoranthene	20.0	13.4		ug/L		67	43 - 121	5	66	
Fluorene	20.0	12.7	*-	ug/L		64	70 - 120	5	38	
Hexachlorobenzene	20.0	14.5		ug/L		73	8 - 142	4	55	
Hexachlorobutadiene	20.0	11.9		ug/L		60	38 - 120	9	62	
Hexachlorocyclopentadiene	20.0	11.4		ug/L		57	42 - 112	13	30	
Hexachloroethane	20.0	11.4		ug/L		57	55 - 120	2	52	
Indeno[1,2,3-cd]pyrene	20.0	12.1		ug/L		60	1 - 151	9	99	
Isophorone	20.0	12.0		ug/L		60	47 - 180	8	93	
Naphthalene	20.0	11.8		ug/L		59	36 - 120	7	65	
Nitrobenzene	20.0	12.6		ug/L		63	54 - 158	7	62	
N-Nitrosodimethylamine	20.0	6.93	J	ug/L		35	31 - 67	4	24	
N-Nitrosodi-n-propylamine	20.0	13.2		ug/L		66	14 - 198	7	87	
N-Nitrosodiphenylamine	20.0	12.0		ug/L		60	49 - 111	1	59	
Phenanthrene	20.0	13.5		ug/L		68	65 - 120	4	39	
Pyrene	20.0	12.1	*-	ug/L		60	70 - 120	4	49	
1,2,4-Trichlorobenzene	20.0	12.2		ug/L		61	57 - 130	6	50	
2-Chlorophenol	20.0	13.0		ug/L		65	36 - 120	8	61	
2,4-Dichlorophenol	20.0	13.4		ug/L		67	53 - 122	8	50	
2,4-Dimethylphenol	20.0	4.57	J * - *1	ug/L		23	42 - 120	66	58	
4,6-Dinitro-2-methylphenol	20.0	11.1		ug/L		56	53 - 130	9	203	
2,4-Dinitrophenol	20.0	7.52	J	ug/L		38	1 - 173	32	132	
2-Nitrophenol	20.0	13.9		ug/L		70	45 - 167	9	55	
4-Nitrophenol	20.0	11.1		ug/L		55	13 - 129	6	131	
4-Chloro-3-methylphenol	20.0	13.3		ug/L		66	41 - 128	7	73	
Pentachlorophenol	20.0	11.1		ug/L		56	38 - 152	15	86	
Phenol	20.0	9.21		ug/L		46	17 - 120	6	64	
2,4,6-Trichlorophenol	20.0	12.0		ug/L		60	52 - 129	2	58	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	64		33 - 96
Nitrobenzene-d5 (Surr)	74		54 - 111
p-Terphenyl-d14 (Surr)	68		46 - 121
2,4,6-Tribromophenol (Surr)	79		35 - 125
2-Fluorobiphenyl (Surr)	76		49 - 108

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 192-2761-A-1-M MS

Matrix: Water

Analysis Batch: 4233

Client Sample ID: Matrix Spike

Prep Type: TCLP

Prep Batch: 3863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Acenaphthene	<50	F1	200	89.7	F1	ug/L		45	47 - 145
Acenaphthylene	<50		200	78.0		ug/L		39	33 - 145
Anthracene	<50		200	83.8		ug/L		42	27 - 133
Benzo[a]anthracene	<50		200	86.8		ug/L		43	33 - 143
Benzo[a]pyrene	<50		200	90.3		ug/L		45	17 - 163
Benzo[b]fluoranthene	<100		200	<100		ug/L		48	24 - 159
Benzo[g,h,i]perylene	<100		200	113		ug/L		56	1 - 219
Benzo[k]fluoranthene	<50		200	83.1		ug/L		41	11 - 162
Bis(2-chloroethoxy)methane	<50		200	106		ug/L		53	33 - 184
Bis(2-chloroethyl)ether	<50		200	94.6		ug/L		47	12 - 158
bis (2-chloroisopropyl) ether	<50	*-	200	92.8		ug/L		46	36 - 166
Bis(2-ethylhexyl) phthalate	<50		200	96.5		ug/L		48	8 - 158
4-Bromophenyl phenyl ether	<50	F1	200	96.3	F1	ug/L		48	53 - 127
Butyl benzyl phthalate	<50		200	90.4		ug/L		45	1 - 152
2-Chloronaphthalene	<50	*- F1	200	88.0	F1	ug/L		44	60 - 120
4-Chlorophenyl phenyl ether	<50		200	91.2		ug/L		46	25 - 158
Chrysene	<50		200	92.8		ug/L		46	17 - 168
Dibenz(a,h)anthracene	<50		200	113		ug/L		56	1 - 227
1,2-Dichlorobenzene	<50	F1	200	84.5	F1	ug/L		42	57 - 90
1,3-Dichlorobenzene	<50	*- F1	200	79.0	F1	ug/L		39	55 - 87
1,4-Dichlorobenzene	<50	F1	200	75.5	F1	ug/L		38	57 - 86
3,3'-Dichlorobenzidine	<50	F1	200	<50		ug/L		18	1 - 262
Diethyl phthalate	<50		200	81.1		ug/L		41	1 - 120
Dimethyl phthalate	<40		200	85.1		ug/L		43	1 - 120
Di-n-butyl phthalate	<50		200	94.6		ug/L		47	1 - 120
2,4-Dinitrotoluene	<50		200	89.2		ug/L		45	39 - 139
2,6-Dinitrotoluene	<50	*- F1	200	96.3	F1	ug/L		48	50 - 158
Di-n-octyl phthalate	<50		200	109		ug/L		55	4 - 146
1,2-Diphenylhydrazine	<50		200	83.7		ug/L		42	32 - 136
Fluoranthene	<50		200	89.5		ug/L		45	26 - 137
Fluorene	<50	*- F1	200	86.0	F1	ug/L		43	59 - 121
Hexachlorobenzene	<50		200	98.9		ug/L		49	1 - 152
Hexachlorobutadiene	<20		200	75.9		ug/L		38	24 - 120
Hexachlorocyclopentadiene	<100		200	<100		ug/L		30	1 - 120
Hexachloroethane	<40	F1	200	76.9	F1	ug/L		38	40 - 120
Indeno[1,2,3-cd]pyrene	<50		200	104		ug/L		52	1 - 171
Isophorone	<50		200	92.8		ug/L		46	21 - 196
Naphthalene	<40		200	89.3		ug/L		45	21 - 133
Nitrobenzene	<50		200	96.8		ug/L		48	35 - 180
N-Nitrosodimethylamine	<100	F1	200	<100	F1	ug/L		29	34 - 58
N-Nitrosodi-n-propylamine	<100		200	104		ug/L		52	1 - 230
N-Nitrosodiphenylamine	<100		200	<100		ug/L		42	29 - 125
Phenanthrene	<50	F1	200	85.4	F1	ug/L		43	54 - 120
Pyrene	<50	*- F1	200	87.0	F1	ug/L		43	52 - 120
1,2,4-Trichlorobenzene	<50	F1	200	82.2	F1	ug/L		41	44 - 142
2-Chlorophenol	<50		200	68.2		ug/L		34	23 - 134
2,4-Dichlorophenol	<50	F1	200	76.3	F1	ug/L		38	39 - 135
2,4-Dimethylphenol	<50	*- *1 F1	200	<50	F1	ug/L		21	32 - 120

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 192-2761-A-1-M MS
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 3863

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
4,6-Dinitro-2-methylphenol	<100	*- F1	200	<100	F1	ug/L		0	1 - 181
2,4-Dinitrophenol	<100	F1	200	<100	F1	ug/L		0	1 - 191
2-Nitrophenol	<50	F1	200	57.6		ug/L		29	29 - 182
4-Nitrophenol	<50	F1	200	<50	F1	ug/L		0	1 - 132
4-Chloro-3-methylphenol	180	F1	200	206	F1	ug/L		14	22 - 147
Pentachlorophenol	<50	F1	200	<50	F1	ug/L		0	14 - 176
Phenol	<40		200	89.8		ug/L		36	5 - 120
2,4,6-Trichlorophenol	<50	F1 F2	200	<50	F1	ug/L		12	37 - 144

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	24	S1-	33 - 96
Nitrobenzene-d5 (Surr)	55		54 - 111
p-Terphenyl-d14 (Surr)	38	S1-	46 - 121
2,4,6-Tribromophenol (Surr)	23	S1-	35 - 125
2-Fluorobiphenyl (Surr)	49		49 - 108

Lab Sample ID: 192-2761-A-1-N MSD
Matrix: Water
Analysis Batch: 4233

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 3863

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier		Added	Result						Qualifier
Acenaphthene	<50	F1	200	90.2	F1	ug/L		45	47 - 145	1	48
Acenaphthylene	<50		200	79.0		ug/L		39	33 - 145	1	74
Anthracene	<50		200	80.6		ug/L		40	27 - 133	4	66
Benzo[a]anthracene	<50		200	86.2		ug/L		43	33 - 143	1	53
Benzo[a]pyrene	<50		200	88.7		ug/L		44	17 - 163	2	72
Benzo[b]fluoranthene	<100		200	<100		ug/L		44	24 - 159	10	71
Benzo[g,h,i]perylene	<100		200	118		ug/L		59	1 - 219	5	97
Benzo[k]fluoranthene	<50		200	85.2		ug/L		43	11 - 162	3	63
Bis(2-chloroethoxy)methane	<50		200	110		ug/L		55	33 - 184	3	54
Bis(2-chloroethyl)ether	<50		200	98.4		ug/L		49	12 - 158	4	108
bis (2-chloroisopropyl) ether	<50	*-	200	90.5		ug/L		45	36 - 166	3	76
Bis(2-ethylhexyl) phthalate	<50		200	96.2		ug/L		48	8 - 158	0	82
4-Bromophenyl phenyl ether	<50	F1	200	96.8	F1	ug/L		48	53 - 127	1	43
Butyl benzyl phthalate	<50		200	86.7		ug/L		43	1 - 152	4	60
2-Chloronaphthalene	<50	*- F1	200	89.3	F1	ug/L		45	60 - 120	2	24
4-Chlorophenyl phenyl ether	<50		200	93.3		ug/L		47	25 - 158	2	61
Chrysene	<50		200	91.3		ug/L		46	17 - 168	2	87
Dibenz(a,h)anthracene	<50		200	118		ug/L		59	1 - 227	5	126
1,2-Dichlorobenzene	<50	F1	200	83.1	F1	ug/L		42	57 - 90	2	21
1,3-Dichlorobenzene	<50	*- F1	200	76.9	F1	ug/L		38	55 - 87	3	23
1,4-Dichlorobenzene	<50	F1	200	73.5	F1	ug/L		37	57 - 86	3	21
3,3'-Dichlorobenzidine	<50	F1	200	<50	F1	ug/L		0	1 - 262	NC	108
Diethyl phthalate	<50		200	81.0		ug/L		40	1 - 120	0	100
Dimethyl phthalate	<40		200	86.8		ug/L		43	1 - 120	2	183
Di-n-butyl phthalate	<50		200	91.7		ug/L		46	1 - 120	3	47
2,4-Dinitrotoluene	<50		200	92.8		ug/L		46	39 - 139	4	42
2,6-Dinitrotoluene	<50	*- F1	200	99.9		ug/L		50	50 - 158	4	48

QC Sample Results

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 192-2761-A-1-N MSD

Matrix: Water

Analysis Batch: 4233

Client Sample ID: Matrix Spike Duplicate

Prep Type: TCLP

Prep Batch: 3863

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Di-n-octyl phthalate	<50		200	107		ug/L		54	4 - 146	2	69
1,2-Diphenylhydrazine	<50		200	79.0		ug/L		39	32 - 136	6	25
Fluoranthene	<50		200	90.1		ug/L		45	26 - 137	1	66
Fluorene	<50	*- F1	200	85.1	F1	ug/L		43	59 - 121	1	38
Hexachlorobenzene	<50		200	101		ug/L		50	1 - 152	2	55
Hexachlorobutadiene	<20		200	75.8		ug/L		38	24 - 120	0	62
Hexachlorocyclopentadiene	<100		200	<100		ug/L		32	1 - 120	7	30
Hexachloroethane	<40	F1	200	71.7	F1	ug/L		36	40 - 120	7	52
Indeno[1,2,3-cd]pyrene	<50		200	109		ug/L		54	1 - 171	4	99
Isophorone	<50		200	96.5		ug/L		48	21 - 196	4	93
Naphthalene	<40		200	89.6		ug/L		45	21 - 133	0	65
Nitrobenzene	<50		200	98.9		ug/L		49	35 - 180	2	62
N-Nitrosodimethylamine	<100	F1	200	<100	F1	ug/L		29	34 - 58	0	24
N-Nitrosodi-n-propylamine	<100		200	104		ug/L		52	1 - 230	1	87
N-Nitrosodiphenylamine	<100		200	<100		ug/L		30	29 - 125	35	59
Phenanthrene	<50	F1	200	86.7	F1	ug/L		43	54 - 120	2	39
Pyrene	<50	*- F1	200	87.7	F1	ug/L		44	52 - 120	1	49
1,2,4-Trichlorobenzene	<50	F1	200	85.6	F1	ug/L		43	44 - 142	4	50
2-Chlorophenol	<50		200	60.0		ug/L		30	23 - 134	13	61
2,4-Dichlorophenol	<50	F1	200	66.7	F1	ug/L		33	39 - 135	13	50
2,4-Dimethylphenol	<50	*- *1 F1	200	51.6	F1	ug/L		26	32 - 120	21	58
4,6-Dinitro-2-methylphenol	<100	*- F1	200	<100	F1	ug/L		0	1 - 181	NC	203
2,4-Dinitrophenol	<100	F1	200	<100	F1	ug/L		0	1 - 191	NC	132
2-Nitrophenol	<50	F1	200	51.4	F1	ug/L		26	29 - 182	11	55
4-Nitrophenol	<50	F1	200	<50	F1	ug/L		0	1 - 132	NC	131
4-Chloro-3-methylphenol	180	F1	200	204	F1	ug/L		13	22 - 147	1	73
Pentachlorophenol	<50	F1	200	<50	F1	ug/L		0	14 - 176	NC	86
Phenol	<40		200	83.8		ug/L		33	5 - 120	7	64
2,4,6-Trichlorophenol	<50	F1 F2	200	52.9	F1 F2	ug/L		26	37 - 144	75	58
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2-Fluorophenol (Surr)	20	S1-	33 - 96								
Nitrobenzene-d5 (Surr)	57		54 - 111								
p-Terphenyl-d14 (Surr)	36	S1-	46 - 121								
2,4,6-Tribromophenol (Surr)	14	S1-	35 - 125								
2-Fluorobiphenyl (Surr)	49		49 - 108								

QC Association Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

GC/MS VOA

Leach Batch: 2500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2635-A-1-A MS	Matrix Spike	Total/NA	Water	1311	
192-2635-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	1311	

Analysis Batch: 3891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	624.1	
MB 192-3891/7	Method Blank	Total/NA	Water	624.1	
LCS 192-3891/5	Lab Control Sample	Total/NA	Water	624.1	
192-2635-A-1-A MS	Matrix Spike	Total/NA	Water	624.1	2500
192-2635-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	624.1	2500

Analysis Batch: 3892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	624.1	
MB 192-3892/7	Method Blank	Total/NA	Water	624.1	
LCS 192-3892/5	Lab Control Sample	Total/NA	Water	624.1	
192-2635-A-1-A MS	Matrix Spike	Total/NA	Water	624.1	2500
192-2635-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	624.1	2500

Analysis Batch: 4295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	624.1	
MB 192-4295/7	Method Blank	Total/NA	Water	624.1	
LCS 192-4295/5	Lab Control Sample	Total/NA	Water	624.1	

GC/MS Semi VOA

Leach Batch: 3755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2761-A-1-M MS	Matrix Spike	TCLP	Water	1311	
192-2761-A-1-N MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Prep Batch: 3863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	625	
MB 192-3863/1-A	Method Blank	Total/NA	Water	625	
LCS 192-3863/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 192-3863/3-A	Lab Control Sample Dup	Total/NA	Water	625	
192-2761-A-1-M MS	Matrix Spike	TCLP	Water	625	3755
192-2761-A-1-N MSD	Matrix Spike Duplicate	TCLP	Water	625	3755

Analysis Batch: 4233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	625.1	3863
MB 192-3863/1-A	Method Blank	Total/NA	Water	625.1	3863
LCS 192-3863/2-A	Lab Control Sample	Total/NA	Water	625.1	3863
LCSD 192-3863/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	3863
192-2761-A-1-M MS	Matrix Spike	TCLP	Water	625.1	3863
192-2761-A-1-N MSD	Matrix Spike Duplicate	TCLP	Water	625.1	3863

QC Association Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

GC/MS Semi VOA

Analysis Batch: 4305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
192-2795-1	Intimidator	Total/NA	Water	625.1	3863

Lab Chronicle

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Client Sample ID: Intimidator

Date Collected: 06/19/23 10:02

Date Received: 06/19/23 14:57

Lab Sample ID: 192-2795-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	4295	LC5	EET ARK	07/03/23 14:42
Total/NA	Analysis	624.1		1	3891	LC5	EET ARK	06/21/23 13:27
Total/NA	Analysis	624.1		1	3892	LC5	EET ARK	06/21/23 13:27
Total/NA	Prep	625			3863	SS	EET ARK	06/22/23 08:07
Total/NA	Analysis	625.1		1	4233	LC5	EET ARK	06/24/23 01:38
Total/NA	Prep	625			3863	SS	EET ARK	06/22/23 08:07
Total/NA	Analysis	625.1		1	4305	LC5	EET ARK	07/03/23 14:43

Laboratory References:

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

Accreditation/Certification Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Laboratory: Eurofins Arkansas

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	60-0889	03-01-24

Method Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET ARK
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET ARK
624	Purge and Trap	EPA	EET ARK
625	Liquid-Liquid Extraction	EPA	EET ARK

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

Sample Summary

Client: Arkansas Testing Laboratories
Project/Site: 2999

Job ID: 192-2795-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
192-2795-1	Intimidator	Water	06/19/23 10:02	06/19/23 14:57

Login Sample Receipt Checklist

Client: Arkansas Testing Laboratories

Job Number: 192-2795-1

Login Number: 2795
List Number: 1
Creator: Brown, Danny

List Source: Eurofins Arkansas

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Arkansas Testing Laboratories

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



192-2795 COC

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

2795

CLIENT: ARKANSAS TESTING LAB				PO # REF # > 2999											
SAMPLE ID	SAMPLE MATRIX	SAMPLED BY: JP								PARAMETERS					
		DATE	TIME									PRESERVATIVES			
EFF INF CLAR POND BACKWASH	W=H2O S=SLUDG D=SOIL C=WELL													HCl	Fred
														Volatiles	Semi- vol
Pa 29 of 30	W	6-19-23	1002											2-40-G	1-L-G
# = number of bottles		Q, L, H = Quart, Liter, Half Gallon				P, G = Plastic, Glass									
Relinquished by: JP		Date/Time: 6-19-23 2:57		Received by:				Date/Time: 6-19-23 2:57							
Relinquished by:		Date/Time:		Received by: D. Brown				Date/Time: 6-19-23/1457							

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