

## Loethen, Katie

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**From:** Loethen, Katie  
**Sent:** Monday, June 28, 2021 3:38 PM  
**To:** 'james.house@kohler.com'  
**Cc:** 'sheridan@windstream.net'; McWilliams, Carrie; Sears, Jessica; Jain, Anmol  
**Subject:** AR0034347\_Kohler ARP000021 January 2021 semi annual Pretreatment report\_20210628

James,

Kohler's 2018, 2019, and 2020 semi-annual Pretreatment reports were received, reviewed, and deemed complete. Kohler is in compliance with the reporting requirements in 40 CFR 403.12(e) as well as the Metal Finishing standards in 40 CFR 433.15. No further action is deemed necessary at this time.

Thank you for the complete reports,

**Katie Loethen** | Wastewater Engineering Intern  
**Division of Environmental Quality** | **Office of Water Quality**  
**Permits Branch**  
5301 Northshore Drive | North Little Rock, AR 72118  
t: 501.683.3001 | e: [Katie.loethen@adeq.state.ar.us](mailto:Katie.loethen@adeq.state.ar.us)



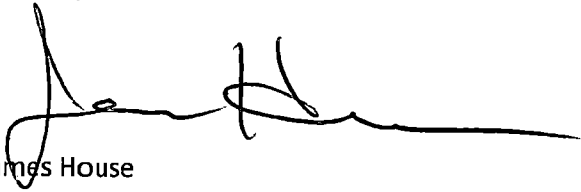
**ARKANSAS**  
ENERGY & ENVIRONMENT

**KOHLER**

To whom it may concern;

This is a copy of the July DMR and Semi-Annual report. On August 12<sup>th</sup> when preparing to complete the DMR for July and Semi-annual it was noticed that notification of results was not found. After contacting Arkansas Analytical it was found that they had not dispatched the pickup with their courier. This failure to pick up Analytics has never happened before. The sample was not observed still on hand by the onsite chemical technician due to COVID-19 quarantine. The sample was still on site at Faucets and was picked up for sampling by Arkansas Analytical courier. The sample was taken on July 14<sup>th</sup>-15<sup>th</sup> so this meant the sample was out of temp along with being analyzed outside the holding time. On Page two of the analytical sample in red is all the discretionary qualifiers. Kohler elected to still have this sample analyzed since it was the original sample gathered for the semi and month of July.

Sincerely,

A handwritten signature in black ink, appearing to read 'James House', written over a horizontal line.

James House

Senior EHS Specialist

Kohler AFO

#####

Guy Lester  
NPDES Pretreatment Engineer  
Arkansas Department of Environmental Quality  
5301 Northshore Drive, North Little Rock, AR 72118

Re: **SEMI-ANNUAL REPORT 1st HALF 2020**

Dear Mr. Lester

In accordance with 40CFR403.12 (e) we are submitting semi-annual reports for the months January 1, 2019 through June 30, 2019. Attached with this report is the TTO/CN analysis for this period. Please contact me at 870-917-6215 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'James House', written in a cursive style.

James House  
SR. Safety/Environmental Specialist

Attachments: TTO/CN Analysis for the 1st half of 2020

Cc:

Melissa Mooren, Global Faucets Program Coordinator  
David Fitzgerald, Sheridan Waterworks  
File

**SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433**

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

Attn: Water Div/NPDES Pretreatment

<b>(1) IDENTIFYING INFORMATION</b>	
<p>A. LEGAL NAME &amp; MAILING ADDRESS  <b>KOHLER Company</b>                   Sheridan, AR 72150</p>	<p>B. FACILITY &amp; LOCATION ADDRESS                  415 S. Oklahoma St.                  Sheridan, AR 72150</p>
<p>C. FACILITY CONTACT: <b>JAMES HOUSE</b>                      TELEPHONE NUMBER: <b>870-942-2111</b></p>	
<p><b>(2) REPORTING PERIOD-- FISCAL YEAR From January 1 to December 31</b>      (Both Semi-Annual Reports must cover Fiscal Year)</p>	
<p>A. MONTHS WHICH REPORTS ARE DUE  <b>JANUARY &amp; JULY</b></p>	<p>B. PERIOD COVERED BY THIS REPORT                  FROM: <b>January, 2018</b> TO: <b>June 30, 2018</b></p>
<b>(3) DESCRIPTION OF OPERATION</b>	
<p>A. REGULATED PROCESSES</p> <p align="center"><u><b>CORE PROCESS(ES)</b></u></p> <p align="center"><small>CHECK EACH APPLICABLE BLOCK</small></p> <p><input checked="" type="checkbox"/> Electroplating</p> <p><input checked="" type="checkbox"/> Electroless Plating</p> <p><input type="checkbox"/> Anodizing</p> <p><input type="checkbox"/> Coating</p> <p><input type="checkbox"/> Chemical Etching and Milling</p> <p><input type="checkbox"/> Printed Circuit Board Manufacture</p> <p align="center"><u><b>ANCILLARY PROCESS(ES)*</b></u></p> <p align="center"><small>LIST BELOW EACH PROCESS USED IN THE FACILITY</small></p> <p><u>BRAZING</u></p> <p><u>ACID/ALKALI CLEANING</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</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><small>*SEE 40CFR.10(a) FOR 40 DIFFERENT OPERATIONS</small></p>	
<p>C. Number of Regular Employees at this Facility      <b>258</b></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 & Anc)	21,547	218,800	POTW Continuous
Regulated (Cyanide)	0	0	N/A
§403.6(e) Unregulated*	0	0	N/A
§403.6(e) Dilute	0	0	N/A
Cooling Water	0	0	N/A
Sanitary	24,404	167,285	POTW Continuous
Total Flow to POTW	27,480	279,055	*****

\*"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 OF TREATMENT SYSTEM

Treated water samples are sent weekly to commercial lab for analysis. In-house testing performed twice per shift. Results of in-house tests are hand delivered to city each Monday. Monthly DMR is also submitted.

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	0.69	2.77	3.38	0.69	3.98	0.43	2.61	MDL	2.13
Monthly Ave	0.26	1.71	2.07	0.43	2.38	0.24	1.48	MDL	--
Max Measured	0.005	0.13	0.243	0.015	0.768	0.02	0.041	0.02	0.00
Ave Measured	0.005	0.07	0.12	0.015	0.42	0.02	0.03	0.02	0.00

\*PROVIDE THE CONCENTRATION HERE IF NO CERTIFICATION IS PROVIDED IN SECTION 6 BELOW OR MARK N/A IF A CERTIFICATION IS PROVIDED.

Sample Location #001 AFTER TREATMENT/BEFORE DISCHARGE

Sample Type (Grab or Composite) COMPOSITE

Number of Samples and Frequency Collected 1/WEEK - (IN-HOUSE 2/SHIFT)

40CFR136 Preservation and Analytical Methods Use:  Yes  No

(6) CERTIFICATION

A. CYANIDE CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with pretreatment standards, I certify that to the best of my knowledge, cyanide has not been used or generated in our processes which are regulated by the Metal Finishing (40CFR 433) categorical pretreatment standards since the filing of the last semi-annual compliance report.

(Typed Name)

(Corporate Officer or authorized representative)

Date of Signature

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 waste waters 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 Pollution Control and Ecology.

N/A

(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 instruments(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 \_\_\_\_\_ 2020

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. 1310] Findings and Policy part (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

ATTACHMENTS:  
TTO/CN Analysis  
Semi-Annual Metals Analysis

cc: Melissa Mooren - KOHLER EHS  
David Fitzgerald - Sheridan Waterworks  
File

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

I certify under penalty of law that I have personally examined and am familiar with the information in this semi-annual compliance report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Russell Skinner  
NAME OF CORPORATE OFFICIER OR AUTHORIZED REPRESENTATIVE

Plant Manager of Arkansas Faucet Operations  
OFFICIAL TITLE

  
SIGNATURE

9/3/2020  
DATE SIGNED

DATE	GALLONS	DATE	GALLONS	Date	GALLONS	DATE	GALLONS
1/2/20	32000	2/1/20	Sat	3/1/20	Sun	4/1/20	14000
1/3/20	28000	2/2/20	Sun	3/2/20	30000	4/2/20	19000
1/4/20	Sat	2/3/20	31000	3/3/20	30000	4/3/20	Fri
1/5/20	Sun	2/4/20	41000	3/4/20	47000	4/4/20	Sat
1/6/20	47000	2/5/20	46000	3/5/20	33000	4/5/20	Sun
1/7/20	60000	2/6/20	34000	3/6/20	Fri	4/6/20	20000
1/8/20	51000	2/7/20	10000	3/7/20	Sat	4/7/20	15000
1/9/20	31000	2/8/20	Sat	3/8/20	Sun	4/8/20	42000
1/10/20	18000	2/9/20	Sun	3/9/20	44000	4/9/20	Thu
1/11/20	Sat	2/10/20	40000	3/10/20	36000	4/10/20	Holiday
1/12/20	Sun	2/11/20	39000	3/11/20	35000	4/11/20	Sat
1/13/20	20000	2/12/20	43000	3/12/20	40000	4/12/20	Sun
1/14/20	21000	2/13/20	33000	3/13/20	Fri	4/13/20	power out
1/15/20	25000	2/14/20	9000	3/14/20	Sat	4/14/20	power out
1/16/20	20000	2/15/20	Sat	3/15/20	Sun	4/15/20	20000
1/17/20	10000	2/16/20	Sun	3/16/20	39000	4/16/20	10000
1/18/20	Sat	2/17/20	24000	3/17/20	51000	4/17/20	Fri
1/19/20	Sun	2/18/20	21000	3/18/20	50000	4/18/20	Sat
1/20/20	25000	2/19/20	18000	3/19/20	36000	4/19/20	Sun
1/21/20	26000	2/20/20	20000	3/20/20	Fri	4/20/20	15000
1/22/20	21000	2/21/20	Fri	3/21/20	Sat	4/21/20	23000
1/23/20	26000	2/22/20	Sat	3/22/20	Sun	4/22/20	48000
1/24/20	15000	2/23/20	Sun	3/23/20	44000	4/23/20	Thu
1/25/20	Sat	2/24/20	40000	3/24/20	42000	4/24/20	Fri
1/26/20	Sun	2/25/20	28000	3/25/20	32000	4/25/20	Sat
1/27/20	16000	2/26/20	29000	3/26/20	16000	4/26/20	Sun
1/28/20	27000	2/27/20	22000	3/27/20	Fri	4/27/20	44000
1/29/20	29000	2/28/20	Fri	3/28/20	Sat	4/28/20	45000
1/30/20	36000	2/29/20	Sat	3/29/20	Sun	4/29/20	44000
1/31/20	29000			3/30/20	30000	4/30/20	Thu
				3/31/20	30000		
<b>TOTAL</b>	<b>613000</b>		<b>528000</b>		<b>665000</b>		<b>359000</b>
<b>Average</b>	<b>26652</b>		<b>29333</b>		<b>36944</b>		<b>27615</b>
<b>MAX</b>	<b>60000</b>		<b>46000</b>		<b>51000</b>		<b>48000</b>



DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE	GALLONS
5/1/20	Fri	6/1/20	35000	7/1/20	14000	8/1/20	Sat
5/2/20	Sat	6/2/20	35000	7/2/20	23000	8/2/20	Sun
5/3/20	Sun	6/3/20	22000	7/3/20	Holiday	8/3/20	25000
5/4/20	20000	6/4/20	18000	7/4/20	Sat	8/4/20	29000
5/5/20	33000	6/5/20	Fri	7/5/20	Sun	8/5/20	31000
5/6/20	38000	6/6/20	Sat	7/6/20	32000	8/6/20	29000
5/7/20	26000	6/7/20	Sun	7/7/20	35000	8/7/20	44000
5/8/20	Fri	6/8/20	16000	7/8/20	33000	8/8/20	Sat
5/9/20	Sat	6/9/20	17000	7/9/20	32000	8/9/20	Sun
5/10/20	Sun	6/10/20	19000	7/10/20	18000	8/10/20	21000
5/11/20	24000	6/11/20	17000	7/11/20	Sat	8/11/20	26000
5/12/20	39000	6/12/20	Fri	7/12/20	Sun	8/12/20	26000
5/13/20	21000	6/13/20	Sat	7/13/20	17000	8/13/20	31000
5/14/20	29000	6/14/20	Sun	7/14/20	17000	8/14/20	31000
5/15/20	Fri	6/15/20	29000	7/15/20	22000	8/15/20	20000
5/16/20	Sat	6/16/20	30000	7/16/20	15000	8/16/20	Sun
5/17/20	Sun	6/17/20	29000	7/17/20	14000	8/17/20	36000
5/18/20	20000	6/18/20	34000	7/18/20	Sat	8/18/20	30000
5/19/20	21000	6/19/20	Fri	7/19/20	Sun	8/19/20	30000
5/20/20	23000	6/20/20	Sat	7/20/20	16000	8/20/20	26000
5/21/20	24000	6/21/20	Sun	7/21/20	16000	8/21/20	28000
5/22/20	Fri	6/22/20	26000	7/22/20	18000	8/22/20	15000
5/23/20	Sat	6/23/20	19000	7/23/20	17000	8/23/20	18000
5/24/20	Sun	6/24/20	26000	7/24/20	13000	8/24/20	25000
5/25/20	Holiday	6/25/20	29000	7/25/20	Sat	8/25/20	28000
5/26/20	33000	6/26/20	Fri	7/26/20	Sun	8/26/20	
5/27/20	33000	6/27/20	Sat	7/27/20	7600	8/27/20	
5/28/20	28000	6/28/20	Sun	7/28/20	19000	8/28/20	
5/29/20	Fri	6/29/20	INV	7/29/20	21000	8/29/20	
5/30/20	Sat	6/30/20	INV	7/30/20	22000	8/30/20	
5/31/20	Sun			7/31/20	16000	8/31/20	
	412000		401000		437600		549000
	27467		25063		19891		27450
	39000		35000		35000		44000



SEMI-ANNUAL REPORT CALCULATION WORKSHEET (January-June)

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	21547	218800	POTW Continuous
Regulated (Cyanide)	0	0	NA
§403.6(e) Unregulated*	0	0	NA
§403.6(e) Dilute	0	0	NA
Cooling Water	0	0	NA
Sanitary	24404	167285	POTW Continuous
Total Flow to POTW	27,480.43	279,054.71	*****

TOTAL H2O TO PLANT*	NUMBER OF DAYS	AVERAGE GALLONS PER DAY	TOTAL H2O TREATED**	% OF H2O TREATED	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY
8,454,900	184	45951	3964600	46.9%	147700	314985

D6

TOTAL H2O TREATED**	NUMBER OF DAYS	AVERAGE REGULATED GALLONS PER DAY	AVERAGE GALLONS PER DAY	AVERAGE SANITARY	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY	MAXIMUM SANITARY
3,964,600	184	21547	45951	24404	147700	314985	167285

21546.73913

C12

D12

F12

\*NUMBERS FROM WATER BILLS

\*\*NUMBERS FROM THE ECOLOGY LOG BOOK

Location Meter #	USAGES					
	To Plater	NE Front	SE Front	Plastics	Toilet Seats	Toilet Seats
4097500	4098000	4099000	4100000	4110000	4110000	
January	126,800	72,800	485,000		567,500	39,100
February	219,200	96,200	623,000		600,000	30,800
March	140,500	102,200	529,000		324,800	32,300
April	178,300	98,700	977,000		403,400	110,700
May	73,200	81,000	381,000		525,200	57,400
June	93,600	71,900	707,000		616,300	91,000
<b>6MO Total</b>	<b>831,600</b>	<b>522,800</b>	<b>3,702,000</b>	<b>0</b>	<b>3,037,200</b>	<b>361,300</b>

Faucet Plant Total

5,056,400

	Cd Max	Cd Avg	Cr Max	Cr Avg	Cu Max	Cu Avg	Pb Max	Pb Avg	Ni Max	Ni Avg	Ag Max	Ag Avg	Zn Max	Zn Avg	TTO Max	TTO Avg	Cn Max	Cn Avg
January			0.0119	0.0119	0.243	0.243			0.415	0.415			0.037	0.037				
February			0.082	0.082	0.119	0.119			0.331	0.331			0.0198	0.0198				
March			0.0426	0.0426	0.0796	0.0796			0.234	0.234			0.0288	0.0288				
April			0.123	0.123	0.102	0.102			0.476	0.476			0.0264	0.0264				
May			0.13	0.13	0.0796	0.0796			0.272	0.272			0.0255	0.0255				
June	0.005	0.005	0.0237	0.0237	0.119	0.119	0.015	0.015	0.768	0.768	0.02	0.02	0.041	0.041			0.02	0.02
Max Measured	0.005		0.13		0.243		0.015		0.768		0.02		0.041		0		0.02	
Avg Measured	0.005		0.068866667		0.12		0.015		0.416		0.02		0.03		0		0.02	

*J. House*



8100 National Dr. - Little Rock, AR 72209  
501-455-3233 Fax 501-455-6118

20 August 2020

James House  
Kohler-Plating - Sheridan  
415 S Oklahoma St.  
Sheridan, AR 72150

Project: Semiannual Wastewater Sample(s)  
Project Number: August 2020  
SDG Number: 2008205

Enclosed are the results of analyses for samples received by the laboratory on 13-Aug-20 09:00. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

- Custody Seals ✓
- Containers Correct ✓
- COC/Labels Agree ✓
- Received On Ice
- Temperature on Receipt 22.0°C

Sincerely,

*Norma James / Teresa Coins*

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Norma James and/or Teresa Coins  
Technical Director and/or QA Officer

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20 August 2020

**James House**  
**Kohler-Plating - Sheridan**  
**415 S Oklahoma St.**  
**Sheridan, AR 72150**  
**Project: Semiannual Wastewater Sample(s)**  
**Project Number: August 2020**  
**Date Received: 13-Aug-20 09:00**



## CASE NARRATIVE

Sample Delivery Group – 2008205

**One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).**

### SAMPLE RECEIPT QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
ET	Samples received above required temperature.
ET	Samples received above required temperature. Although collected and received the same day, no ice was present to indicate the cooling preservation was attempted.
E2	Result qualified as it was received and analyzed outside of holding time. Analysis is considered a "Field" analysis.
E2	Result qualified as it was received and/or analyzed outside of holding time.
E3	Result qualified as it was received in the incorrect container and/or preservation.

### ANALYTICAL QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
EDL	Result was non-detect at an elevated detection limit due to one or more of the following: Sample Matrix, Sample Dilution, or Limited Sample Volume.
EX	Result exceeds DAILY MAXIMUM and/or MONTHLY AVERAGE.
EX2	The result exceeds the TCLP limit.
J	At client request, J-Values are reported. J-Values are considered "estimated" results as they are below the limit of quantitation yet above the method detection limit (MDL).
N	Insufficient Sample Weight as Required by Method.
T40	The ambient temperature exceeded 23 +/- 2oC during the TCLP rotation process
TCLP-1	TCLP extraction done in alternate ZHE due to sample matrix.

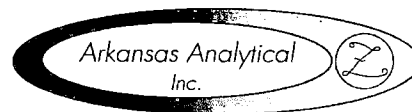
### CALIBRATION QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
CR	Result above highest calibration standard, but within linear calibration range.
Est3	Result at the instrument was above the concentration of the highest standard in the calibration curve.
E2-F	Second Source Verification Failure
E7	Internal Standard Response Failure
E11	Initial Calibration Minimum Response Factor Failure
E21	CCV Low
E-01	CCV High
E35	Low Level CCV Failure

### QUALITY CONTROL QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
E20	Sample used as "parent" for the associated analytical batch.
%D3/S-01	Surrogate failed to recover within acceptance criteria (%D3/S-01).
E1	Results associated with this surrogate were qualified as "estimated" (E1).
B	Present in the Associated Blank
B1	Present in Blank, but Not In the Sample.
%D2 / E5	Laboratory Control Spike (LCS) and/or Laboratory Control Spike Duplicate (LCSD) failed to recover with acceptance criteria (%D2). Associated results were qualified as "estimated" (E5).
%D1	Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) failed acceptance criteria.
MBA	Failed criteria due to the high concentration of analyte in the parent sample.
MBI	Failed criteria due to an interference in the parent sample.
%D3	Quality Control Surrogate failed acceptance criteria.
NREC	Quality Control Surrogate failed.

20 August 2020



James House  
 Kohler-Plating - Sheridan  
 415 S Oklahoma St.  
 Sheridan, AR 72150  
 Project: Semiannual Wastewater Sample(s)  
 Project Number: August 2020  
 Date Received: 13-Aug-20 09:00

**ANALYTICAL RESULTS**

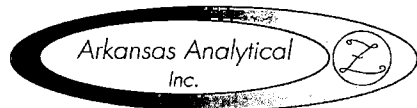
Lab Number: 2008205-01  
 Sample Name: Wastewater Composite  
 Date/Time Collected: 7/15/20 6:00  
 Sample Matrix: Water

Acid Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4,6-Trichlorophenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,4-Dichlorophenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,4-Dimethylphenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,4-Dinitrophenol	ug/L	< 50.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2-Chlorophenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2-Nitrophenol	ug/L	< 20.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
4,6-Dinitro-o-cresol	ug/L	< 50.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
4-Chloro-3-methylphenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
4-Nitrophenol	ug/L	< 50.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Pentachlorophenol	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Phenol	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,4,6-Tribromophenol [surr]	%	90.0		8/18/20 13:19	B008278	EPA 625.1-2016
2-Fluorophenol [surr]	%	46.0		8/18/20 13:19	B008278	EPA 625.1-2016
Phenol-d5 [surr]	%	39.9		8/18/20 13:19	B008278	EPA 625.1-2016
Base/Neutral Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,2,4-Trichlorobenzene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
1,2-Dichlorobenzene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
1,2-Diphenyl Hydrazine	ug/L	< 20.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
1,3-Dichlorobenzene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
1,4-Dichlorobenzene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,3,7,8-TCDD (SIM)	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,2'-Oxybis(1-Chloropropane)	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,4-Dinitrotoluene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2,6-Dinitrotoluene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2-Chloronaphthalene	ug/L	< 10.0	E2, E20, ET	8/18/20 13:19	B008278	EPA 625.1-2016
3,3'-Dichlorobenzidine	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
4-Bromophenyl-phenylether	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
4-Chlorophenyl-phenylether	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Acenaphthene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Acenaphthylene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Anthracene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzidine	ug/L	< 50.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzo[a]pyrene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzo[b]fluoranthene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzo[g,h,i]perylene	ug/L	< 20.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzo[k]fluoranthene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Benzo (a) anthracene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Bis(2-chloroethoxy)methane	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Bis(2-chloroethyl)ether	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Bis(2-ethylhexyl)phthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Butylbenzylphthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Chrysene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Dibenz[a,h]anthracene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016

20 August 2020

James House  
 Kohler-Plating - Sheridan  
 415 S Oklahoma St.  
 Sheridan, AR 72150  
 Project: Semiannual Wastewater Sample(s)

Project Number: August 2020  
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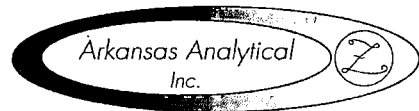
**ANALYTICAL RESULTS**

Lab Number: 2008205-01  
 Sample Name: Wastewater Composite  
 Date/Time Collected: 7/15/20 6:00  
 Sample Matrix: Water

Base/Neutral Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Diethylphthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Dimethylphthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Di-n-butylphthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Di-n-octylphthalate	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Fluoranthene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Fluorene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Hexachlorobenzene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Hexachlorobutadiene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Hexachlorocyclopentadiene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Hexachloroethane	ug/L	< 20.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Indeno[1,2,3-cd]pyrene	ug/L	< 5.00	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Isophorone	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Naphthalene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Nitrobenzene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
N-Nitrosodimethylamine	ug/L	< 50.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
n-Nitrosodiphenylamine	ug/L	< 20.0	E2, E21, ET	8/18/20 13:19	B008278	EPA 625.1-2016
N-Nitroso-di-n-propylamine	ug/L	< 20.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Phenanthrene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
Pyrene	ug/L	< 10.0	E2, ET	8/18/20 13:19	B008278	EPA 625.1-2016
2-Fluorobiphenyl [surr]	%	62.5		8/18/20 13:19	B008278	EPA 625.1-2016
Nitrobenzene-d5 [surr]	%	76.4		8/18/20 13:19	B008278	EPA 625.1-2016
Terphenyl-d14 [surr]	%	93.1		8/18/20 13:19	B008278	EPA 625.1-2016

Pesticides/PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aldrin	ug/L	< 0.010	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
alpha-BHC	ug/L	< 0.009	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
beta-BHC	ug/L	< 0.018	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
gamma-BHC (Lindane)	ug/L	< 0.027	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
delta-BHC	ug/L	< 0.012	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Chlordane	ug/L	< 0.042	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
alpha-Chlordane	ug/L	< 0.050	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
gamma-Chlordane	ug/L	< 0.050	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
4,4'-DDT	ug/L	< 0.036	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
4,4'-DDE	ug/L	< 0.012	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
4,4'-DDD	ug/L	< 0.033	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Dieldrin	ug/L	< 0.020	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Endosulfan I	ug/L	< 0.042	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Endosulfan II	ug/L	< 0.012	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Endosulfan sulfate	ug/L	< 0.012	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Endrin	ug/L	< 0.018	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Endrin aldehyde	ug/L	< 0.070	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Heptachlor	ug/L	< 0.009	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Heptachlor epoxide	ug/L	< 0.010	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016
Aroclor-1242	ug/L	< 0.200	E2, ET	8/19/20 14:22	B008307	EPA 608.3-2016

20 August 2020



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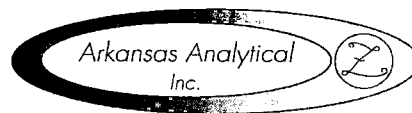
ANALYTICAL RESULTS

Lab Number: 2008205-01
Sample Name: Wastewater Composite
Date/Time Collected: 7/15/20 6:00
Sample Matrix: Water

Table with 7 columns: Pesticides/PCBs, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Rows include Aroclor-1254, Aroclor-1221, Aroclor-1232, Aroclor-1248, Aroclor-1260, Aroclor-1016, Toxaphene, TCMX [surr], DCBP [surr], Total Metals (Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Zinc), and Wet Chemistry (BOD-5, TSS).



20 August 2020



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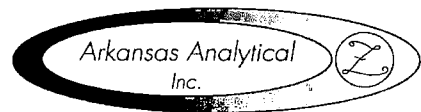
ANALYTICAL RESULTS

Lab Number: 2008205-01RE1
Sample Name: Wastewater Composite
Date/Time Collected: 7/15/20 6:00
Sample Matrix: Water

Table with 7 columns: Volatiles, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Lists various chemical compounds and their detection results.

20 August 2020

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Sheridan, AR 72150  
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**ANALYTICAL RESULTS**

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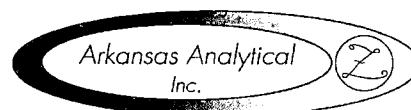
Lab Number: 2008205-02  
Sample Name: Wastewater Grab  
Date/Time Collected: 7/15/20 6:00  
Sample Matrix: Water

<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Cyanide (total)	mg/L	< 0.010	E2, ET	8/18/20 8:00	B008285	SM 4500-CN B,E-2011
Oil and Grease	mg/L	< 5.00	E2, ET	8/14/20 8:46	B008245	EPA1664 Mod, Rev. B 2010

20 August 2020

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**QUALITY CONTROL RESULTS****Wet Chemistry -- Batch: B008240 (Water)**

Prepared: 14-Aug-20 09:45 By: MH -- Analyzed: 14-Aug-20 09:45 By: MH

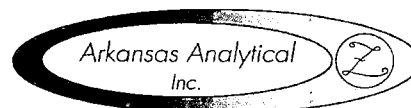
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	92.0% / 89.0%	NA / NA		3.31%	

**Volatiles -- Batch: B008242 (Water)**

Prepared: 14-Aug-20 07:34 By: CT -- Analyzed: 14-Aug-20 14:43 By: ct

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,1,1-Trichloroethane	<10.0 ug/L	102% / NA	115% / 114%		1.05%	
1,1,2,2-Tetrachloroethane	<10.0 ug/L	92.0% / NA	96.1% / 96.7%		0.607%	
1,1,2-Trichloroethane	<10.0 ug/L	99.2% / NA	105% / 104%		1.24%	
1,1-Dichloroethane	<10.0 ug/L	102% / NA	115% / 113%		2.37%	
1,1-Dichloroethene	<10.0 ug/L	111% / NA	128% / 127%		0.472%	
1,2-Dichlorobenzene	<10.0 ug/L	90.1% / NA	92.4% / 94.9%		2.64%	
1,2-Dichloroethane	<10.0 ug/L	97.7% / NA	104% / 103%		0.948%	
1,2-Dichloropropane	<10.0 ug/L	96.9% / NA	105% / 103%		1.47%	
1,3-Dichlorobenzene	<10.0 ug/L	89.6% / NA	92.9% / 94.7%		1.90%	
1,4-Dichlorobenzene	<10.0 ug/L	88.7% / NA	92.0% / 93.3%		1.33%	
2-Chloroethyl vinyl ether	<10.0 ug/L	91.6% / NA	95.1% / 94.1%		1.03%	
Acrolein	<50.0 ug/L	111% / NA	112% / 110%		1.95%	
Acrylonitrile	<20.0 ug/L	96.7% / NA	101% / 101%		0.0635%	
Benzene	<10.0 ug/L	104% / NA	117% / 115%		2.08%	
Bromodichloromethane	<10.0 ug/L	103% / NA	108% / 107%		0.637%	
Bromoform	<10.0 ug/L	85.0% / NA	84.4% / 85.5%		1.29%	
Bromomethane	<50.0 ug/L	109% / NA	113% / 116%		2.01%	
Carbon tetrachloride	<2.00 ug/L	100% / NA	117% / 113%		3.55%	
Chlorobenzene	<10.0 ug/L	90.5% / NA	98.7% / 98.2%		0.490%	
Chloroethane	<50.0 ug/L	96.7% / NA	110% / 105%		4.69%	
Chloroform	<10.0 ug/L	100% / NA	111% / 110%		0.755%	
Chloromethane	<50.0 ug/L	115% / NA	127% / 123%		3.18%	
cis-1,3-Dichloropropene	<10.0 ug/L	100% / NA	108% / 109%		1.27%	
Dibromochloromethane	<10.0 ug/L	102% / NA	105% / 104%		1.15%	
Ethylbenzene	<10.0 ug/L	88.6% / NA	96.3% / 96.8%		0.559%	
Methylene chloride	<20.0 ug/L	104% / NA	92.2% / 88.2%		3.63%	
Tetrachloroethene	<10.0 ug/L	90.0% / NA	102% / 98.3%		4.08%	
Toluene	<10.0 ug/L	96.0% / NA	108% / 106%		1.77%	
trans-1,2-Dichloroethene	<10.0 ug/L	108% / NA	126% / 120%		4.82%	
trans-1,3-Dichloropropene	<10.0 ug/L	104% / NA	107% / 106%		1.11%	
Trichloroethene	<10.0 ug/L	91.2% / NA	103% / 101%		1.39%	
Trichlorofluoromethane	<10.0 ug/L	98.4% / NA	114% / 111%		2.81%	
Vinyl chloride	<10.0 ug/L	108% / NA	124% / 121%		2.66%	
1,2-Dichloroethane-d4 [surr]	102 %	101% / NA	102% / 100%		NA	
4-Bromofluorobenzene [surr]	100 %	100% / NA	99.2% / 101%		NA	
Toluene-d8 [surr]	103 %	103% / NA	104% / 102%		NA	

20 August 2020



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**QUALITY CONTROL RESULTS**

**Total Metals -- Batch: B008244 (Water)**

Prepared: 14-Aug-20 07:41 By: SP -- Analyzed: 14-Aug-20 11:43 By: SP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Mercury	<0.000200 mg/L	97.9% / NA	102% / 99.3%		2.84%	

**Wet Chemistry -- Batch: B008245 (Water)**

Prepared: 14-Aug-20 08:46 By: JH -- Analyzed: 14-Aug-20 08:46 By: JH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Oil and Grease	<5.00 mg/L	83.2% / 83.0%	84.5% / NA		0.301%	

**Total Metals -- Batch: B008248 (Water)**

Prepared: 14-Aug-20 08:57 By: ST -- Analyzed: 14-Aug-20 12:37 By: ST

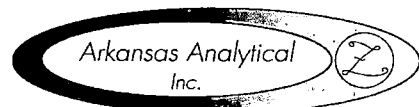
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<0.0270 mg/L	108% / NA	116% / 115%		0.185%	
Cadmium	<0.00125 mg/L	114% / NA	119% / 120%		0.579%	
Chromium	<0.0125 mg/L	113% / NA	118% / 118%		0.249%	
Copper	<0.00520 mg/L	111% / NA	105% / 110%		0.506%	
Lead	<0.0156 mg/L	114% / NA	115% / 116%		0.589%	
Molybdenum	<0.0312 mg/L	105% / NA	113% / 113%		0.333%	
Nickel	<0.0104 mg/L	113% / NA	116% / 117%		0.743%	
Selenium	<0.0520 mg/L	108% / NA	115% / 114%		0.303%	
Silver	<0.0208 mg/L	113% / NA	115% / 115%		0.183%	
Zinc	<0.0156 mg/L	105% / NA	108% / 109%		0.192%	

**Wet Chemistry -- Batch: B008250 (Water)**

Prepared: 14-Aug-20 08:45 By: TA -- Analyzed: 14-Aug-20 08:45 By: TA

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
BOD-5	<2.00 mg/L	84.8% / 84.6%	NA / NA		0.298%	

20 August 2020



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 Project: Semiannual Wastewater Sample(s)

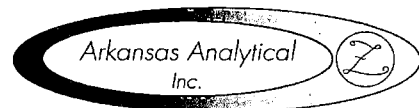
Project Number: August 2020  
 Date Received: 13-Aug-20 09:00

**QUALITY CONTROL RESULTS**

Base/Neutral Compounds -- Batch: B008278 (Water)  
 Prepared: 17-Aug-20 08:40 By: TB -- Analyzed: 18-Aug-20 14:28 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,2,4-Trichlorobenzene	<0.561 ug/L	76.3% / NA	49.7% / 51.3%		3.27%	
1,2-Dichlorobenzene	<0.514 ug/L	69.3% / NA	46.5% / 49.2%		5.61%	
1,2-Diphenyl Hydrazine	<1.81 ug/L	99.1% / NA	78.5% / 74.1%		5.81%	
1,3-Dichlorobenzene	<0.470 ug/L	68.5% / NA	44.8% / 48.1%		7.23%	
1,4-Dichlorobenzene	<0.527 ug/L	68.6% / NA	46.1% / 48.5%		5.27%	
2,2'-Oxybis(1-Chloropropane)	<0.394 ug/L	85.5% / NA	55.3% / 57.6%		4.15%	
2,4,6-Trichlorophenol	<0.507 ug/L	93.0% / NA	76.5% / 75.2%		1.75%	
2,4-Dichlorophenol	<0.449 ug/L	99.1% / NA	75.2% / 70.3%		6.79%	
2,4-Dimethylphenol	<1.12 ug/L	85.6% / NA	63.7% / 61.1%		4.10%	
2,4-Dinitrophenol	<0.642 ug/L	94.6% / NA	73.7% / 69.1%		5.55%	
2,4-Dinitrotoluene	<0.656 ug/L	97.4% / NA	84.2% / 80.8%		4.13%	
2,6-Dinitrotoluene	<0.525 ug/L	97.6% / NA	80.4% / 78.6%		2.26%	
2-Chloronaphthalene	<0.515 ug/L	75.4% / NA	54.2% / 57.2%		5.44%	%D1
2-Chlorophenol	<0.433 ug/L	87.1% / NA	59.6% / 60.3%		1.18%	
2-Nitrophenol	<0.554 ug/L	64.0% / NA	66.2% / 67.1%		1.43%	
3,3'-Dichlorobenzidine	<0.233 ug/L	98.6% / NA	85.0% / 79.2%		7.09%	
4,6-Dinitro-o-cresol	<0.643 ug/L	104% / NA	84.8% / 80.1%		5.68%	
4-Bromophenyl-phenylether	<0.580 ug/L	96.7% / NA	80.9% / 75.4%		7.01%	
4-Chloro-3-methylphenol	<0.567 ug/L	101% / NA	84.0% / 80.2%		4.54%	
4-Chlorophenyl-phenylether	<0.563 ug/L	83.4% / NA	68.2% / 66.3%		2.85%	
4-Nitrophenol	<0.607 ug/L	62.0% / NA	53.3% / 50.6%		5.07%	
Acenaphthene	<0.523 ug/L	77.0% / NA	60.5% / 60.1%		0.692%	
Acenaphthylene	<0.487 ug/L	82.9% / NA	64.3% / 64.6%		0.580%	
Anthracene	<0.566 ug/L	95.2% / NA	80.5% / 73.0%		9.68%	
Benzidine	<1.08 ug/L	89.2% / NA	61.5% / 62.8%		2.17%	
Benzo (a) anthracene	<0.475 ug/L	92.6% / NA	78.8% / 72.7%		8.16%	
Benzo[a]pyrene	<0.566 ug/L	104% / NA	88.8% / 83.8%		5.73%	
Benzo[b]fluoranthene	<0.482 ug/L	101% / NA	86.3% / 80.9%		6.44%	
Benzo[g,h,i]perylene	<0.529 ug/L	105% / NA	83.9% / 78.2%		7.05%	
Benzo[k]fluoranthene	<0.516 ug/L	93.5% / NA	80.7% / 75.6%		6.57%	
Bis(2-chloroethoxy)methane	<0.461 ug/L	94.2% / NA	60.7% / 61.5%		1.27%	
Bis(2-chloroethyl)ether	<0.458 ug/L	93.0% / NA	60.4% / 63.0%		4.08%	
Bis(2-ethylhexyl)phthalate	<0.598 ug/L	104% / NA	91.1% / 83.3%		9.01%	
Butylbenzylphthalate	<0.637 ug/L	104% / NA	89.9% / 83.5%		7.33%	
Chrysene	<0.489 ug/L	77.8% / NA	66.6% / 60.9%		8.97%	
Dibenz[a,h]anthracene	<0.389 ug/L	109% / NA	84.8% / 79.1%		6.91%	
Diethylphthalate	<0.456 ug/L	91.0% / NA	76.9% / 74.3%		3.38%	
Dimethylphthalate	<0.516 ug/L	92.7% / NA	77.1% / 73.6%		4.69%	
Di-n-butylphthalate	<0.607 ug/L	105% / NA	89.4% / 83.4%		6.99%	
Di-n-octylphthalate	<0.407 ug/L	111% / NA	95.0% / 87.9%		7.74%	
Fluoranthene	<0.575 ug/L	96.0% / NA	82.7% / 78.2%		5.58%	
Fluorene	<0.498 ug/L	83.3% / NA	68.3% / 66.1%		3.34%	
Hexachlorobenzene	<0.560 ug/L	91.1% / NA	73.5% / 68.5%		7.08%	
Hexachlorobutadiene	<0.461 ug/L	85.9% / NA	51.0% / 53.0%		3.79%	
Hexachlorocyclopentadiene	<0.303 ug/L	77.8% / NA	42.8% / 47.9%		10.7%	
Hexachloroethane	<0.563 ug/L	74.6% / NA	45.5% / 48.7%		6.75%	
Indeno[1,2,3-cd]pyrene	<0.502 ug/L	113% / NA	90.5% / 85.3%		5.99%	
Isophorone	<0.535 ug/L	95.6% / NA	61.5% / 61.7%		0.314%	

20 August 2020



James House  
 Kohler-Plating - Sheridan  
 415 S Oklahoma St.  
 Sheridan, AR 72150  
 Project: Semiannual Wastewater Sample(s)  
 Project Number: August 2020  
 Date Received: 13-Aug-20 09:00

**QUALITY CONTROL RESULTS**

**Base/Neutral Compounds -- Batch: B008278 (Water)**  
 Prepared: 17-Aug-20 08:40 By: TB -- Analyzed: 18-Aug-20 14:28 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Naphthalene	<0.480 ug/L	72.9% / NA	50.1% / 52.0%		3.67%	
Nitrobenzene	<0.456 ug/L	97.4% / NA	64.5% / 65.5%		1.55%	
N-Nitrosodimethylamine	<0.372 ug/L	58.8% / NA	38.9% / 41.2%		5.75%	
N-Nitroso-di-n-propylamine	<0.414 ug/L	100% / NA	64.8% / 65.4%		0.876%	
n-Nitrosodiphenylamine	<0.425 ug/L	94.3% / NA	79.8% / 74.3%		7.17%	E21
Pentachlorophenol	<0.311 ug/L	95.7% / NA	87.4% / 79.1%		9.63%	
Phenanthrene	<0.572 ug/L	95.0% / NA	79.5% / 73.6%		7.66%	
Phenol	<0.348 ug/L	46.5% / NA	37.9% / 32.6%		15.2%	
Pyrene	<0.489 ug/L	98.9% / NA	85.4% / 79.1%		7.62%	
2,4,6-Tribromophenol [surr]	91.2 %	102% / NA	89.0% / 82.7%		NA	
2-Fluorobiphenyl [surr]	79.7 %	84.8% / NA	58.5% / 60.9%		NA	
2-Fluorophenol [surr]	61.1 %	64.5% / NA	40.4% / 41.9%		NA	
Nitrobenzene-d5 [surr]	101 %	106% / NA	69.5% / 68.4%		NA	
Phenol-d5 [surr]	50.2 %	51.5% / NA	37.0% / 35.5%		NA	
Terphenyl-d14 [surr]	103 %	109% / NA	91.4% / 85.6%		NA	

**Wet Chemistry -- Batch: B008285 (Water)**  
 Prepared: 18-Aug-20 08:00 By: SPS -- Analyzed: 18-Aug-20 08:00 By: SPS

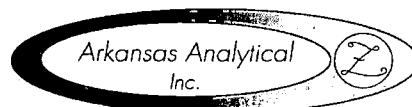
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Cyanide (total)	<0.010 mg/L	104% / NA	107% / 105%		1.89%	

**Pesticides/PCBs -- Batch: B008307 (Water)**  
 Prepared: 19-Aug-20 08:22 By: TB -- Analyzed: 19-Aug-20 14:49 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
4,4'-DDD	<0.002 ug/L	99.9% / NA	89.1% / 81.9%		8.37%	
4,4'-DDE	<0.001 ug/L	85.8% / NA	74.6% / 85.6%		13.3%	
4,4'-DDT	<0.001 ug/L	103% / NA	91.3% / 83.1%		9.36%	
Aldrin	<0.0005 ug/L	58.6% / NA	44.6% / 42.6%		4.48%	
alpha-BHC	<0.0006 ug/L	64.7% / NA	60.6% / 59.4%		1.96%	
beta-BHC	<0.002 ug/L	72.3% / NA	50.3% / 62.6%		20.8%	
delta-BHC	<0.002 ug/L	69.7% / NA	49.6% / 62.1%		21.4%	
Dieldrin	<0.001 ug/L	86.2% / NA	73.5% / 63.9%		14.0%	
Endosulfan I	<0.0003 ug/L	71.5% / NA	65.1% / 70.5%		7.75%	
Endosulfan II	<0.0009 ug/L	85.6% / NA	70.6% / 64.7%		8.77%	
Endosulfan sulfate	<0.001 ug/L	105% / NA	68.3% / 77.4%		11.8%	
Endrin	<0.001 ug/L	79.9% / NA	72.6% / 67.8%		6.90%	
Endrin aldehyde	<0.001 ug/L	90.5% / NA	63.4% / 65.7%		3.58%	
gamma-BHC (Lindane)	<0.001 ug/L	63.3% / NA	56.7% / 57.6%		1.52%	
Heptachlor	<0.001 ug/L	60.6% / NA	50.2% / 45.5%		9.16%	
Heptachlor epoxide	<0.0005 ug/L	79.5% / NA	66.2% / 74.0%		11.1%	
DCBP [surr]	70.3 %	75.3% / NA	57.9% / 52.0%		NA	
TCMX [surr]	49.0 %	44.8% / NA	24.8% / 29.6%		NA	

20 August 2020

James House  
Kohler-Plating - Sheridan  
415 S Oklahoma St.  
Sheridan, AR 72150  
Project: Semiannual Wastewater Sample(s)  
Project Number: August 2020  
Date Received: 13-Aug-20 09:00



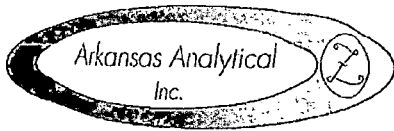
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**QUALIFIER(S)**

- \*%D1: Matrix Spike and/or Matrix Spike Duplicate Percent Recovery Does Not Meet Laboratory Acceptance Criteria
  - \*E2: Estimated Result; Analyzed Outside of Holding Time
  - \*E20: Estimated Result Due to Matrix Spike and/or Matrix Spike Duplicate Failure; This sample was used as the "parent sample" in MS/MSD prep.
  - \*E21: Estimated Result; This Analyte failed (low) in the CCV.
  - \*E3: Estimated Result Due to Incorrect Sample Preservation or Container
  - \*EDL: Elevated Detection Limit Due to one or more of the following: Sample Matrix, Sample Dilution, or Limited Sample Volume
  - \*ET: Estimated Result; Temperature Upon Receipt Exceeded 6 Degrees Centigrade
- 

All Analysis performed according to EPA approved methodology when available:  
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.  
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: *Norma James / Teresa Coins*  
Norma James and/or Teresa Coins  
Technical Director and/or QA Officer



8100 National Dr.  
 Little Rock, AR 72209  
 PHONE: 501-455-3233  
 FAX: 501-455-6118

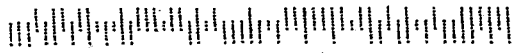
# CHAIN OF CUSTODY RECORD

CLIENT INFORMATION				Project Description				Turnaround Time		Preservation Codes:										
Kohler 415 South Oklahoma St. Sheridan, AR 72150 Attn: James House				Wastewater Sample Semi-Annual TTO/PPPS Reporting Information Telephone: 870-942-2111 Email: james.house@kohler.com; neal.hollinger@kohler.com; eric.lites@kohler.com; michael.torenson@kohler.com				1 Day (100%) 2 Day (50%) 3 Day (25%) 5 Day (Routine)		1. Cool, 6 Degrees Centigrade 2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2 3. Nitric Acid (HNO <sub>3</sub> ), pH < 2				4. Thiosulfate for Dechlorination 5. Hydrochloric Acid(HCl) 6. Sodium Hydroxide (NaOH), pH > 12						
										TEST PARAMETERS								Bottle Type Code		
										Preservative Code:	1	1,6	1,3	1	1,4	1,4	1,2			G = Glass; P = Plastic V = Septum; A = Amber
										Bottle Type:	P	P	P	GV	GA	GA	GA			
Sampler(s) Signature <i>Mike Lorenson</i>				Sampler(s) Printed <i>Mike Lorenson</i>				BOD, TSS	Cyanide	As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Ag, Zn	PPS Volatiles	PPS Base Neutral/Acids	PPS Pesticides/PCBs	Oil and Grease						Arkansas Analytical Work Order Number:  200820
Field Number	SAMPLE COLLECTION		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		BOD, TSS	Cyanide	As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Ag, Zn	PPS Volatiles	PPS Base Neutral/Acids	PPS Pesticides/PCBs	Oil and Grease					
	7/15/2020	6:30 AM - 6:45 AM		X	11	Water	Wastewater Composite		X		X	X	X	X					01	
	7/15/2020	6:45 AM	X		2	Water	Wastewater Grab			X					X				02	
										<p>Incorrect Container/Preservation          Incorrect container and/or preservation for <u>VOA - Headspace</u> analysis(es).          Data will be qualified.</p>										
1. Relinquished by: (Signature) <i>Mike Lorenson</i>		Date/Time 7/15/2020 8:20 AM		2. Received by: (Signature) <i>Parrish</i>		SAMPLE CONDITION UPON RECEIPT IN LAB				REMARKS / SAMPLE COMMENTS										
3. Relinquished by: (Signature) <i>Parrish</i>		Date/Time 8-13-20 900		4. Received by lab: (Signature) <i>Jammy Riddle</i>		1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No 2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No 3. COC/LABELS AGREE: ___ Yes ___ No 4. RECEIVED ON ICE: ___ Yes <input checked="" type="checkbox"/> No 5. TEMPERATURE ON RECEIPT: 22°C 6. TEMPERATURE GUN ID: HHT# 2				ONSITE MEASUREMENTS BY Kohler pH (S.U.) 9.18 Flow 21,000 *All parameters except metals have exceeded holding times.										
										FOR COMPLETION BY LAB ONLY										



**KOHLER C**  
**415 SOUTH**  
**SHERIDAN, AR 71250**

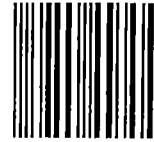
**REGISTERED MAIL**



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72118

U.S. POSTAGE PAID  
FCM LG ENV  
SHERIDAN, AR  
72150  
SEP 03, 20  
AMOUNT

**\$8.20**

R2305E125647-08

BC

A. D. E. Q.  
Guy Lester - NPDES Pretreatment Engineer  
5301 Northshore Dr.  
North Little Rock, AR 72118