

Loethen, Katie

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



ARKANSAS
ENERGY & ENVIRONMENT

KOHLER.

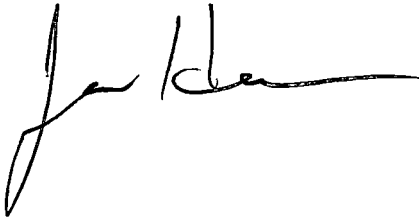
Mr. Guy Lester
NPDES Pretreatment Engineer
Arkansas Department of Environmental Quality
5301 Northshore Drive, North Little Rock, AR 72118

Re: **SEMI-ANNUAL REPORT 2nd HALF 2018**

Dear Mr. Lester,

In accordance with 40CFR403.12 (e) we are submitting semi-annual reports for the months July 1, 2018 through December 31, 2018. Attached with this report is the TTO analysis for this period.
Please contact me at 870-917-6215 should you have any questions.

Sincerely,



James House
Safety/Environmental Specialist

Attachments: TTO Analysis for the 2nd half of 2018

Cc: Jeff Plass, EHS Supervisor, Kohler, WI
Erika Strand, Global Faucets Program Coordinator
Sheridan Waterworks
File

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	79,567	150,000	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	77,704	146,486	POTW Continuous
Total Flow to POTW	124,347	234,418	*****

*"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	0.41	0.84	0.02	0.92	0.02	0.08	0.02	0.00
Ave Measured	0	0.21	0.12	0.02	0.40	0.02	0.02	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 _____ 2018

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 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

ATTACHMENTS:
TTO/CN Analysis
Semi-Annual Metals Analysis

cc: Erika Strand-Corporate EHS Program Coordinator
Sheridan Water Office
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 OFFICER OR AUTHORIZED REPRESENTATIVE



SIGNATURE

Plant Manager of Arkansas Faucet Operations
OFFICIAL TITLE

11/29/19

DATE SIGNED

DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE
7/1/18	Sunday	8/1/18	105700	9/1/18	Saturday	10/1/18	31400	11/1/18
7/2/18	115400	8/2/18	111100	9/2/18	Sunday	10/2/18	60400	11/2/18
7/3/18	86100	8/3/18	108000	9/3/18	Holiday	10/3/18	15700	11/3/18
7/4/18	Holiday	8/4/18	29200	9/4/18	117200	10/4/18	15700 est	11/4/18
7/5/18	80500	8/5/18	Sunday	9/5/18	120800	10/5/18	15700 est	11/5/18
7/6/18	22300	8/6/18	97600	9/6/18	125900	10/6/18	15700 est	11/6/18
7/7/18	3400	8/7/18	109300	9/7/18	51000	10/7/18	Sunday	11/7/18
7/8/18	Sunday	8/8/18	118500	9/8/18	1000	10/8/18	44800	11/8/18
7/9/18	118100	8/9/18	119600	9/9/18	Sunday	10/9/18	43100	11/9/18
7/10/18	101900	8/10/18	97500	9/10/18	107800	10/10/18	120300	11/10/18
7/11/18	99800	8/11/18	36900	9/11/18	127200	10/11/18	116800	11/11/18
7/12/18	104500	8/12/18	Sunday	9/12/18	120600	10/12/18	8500	11/12/18
7/13/18	100300	8/13/18	122300	9/13/18	116800	10/13/18	15700 est	11/13/18
7/14/18	35700	8/14/18	124200	9/14/18	113700	10/14/18	Sunday	11/14/18
7/15/18	Sunday	8/15/18	115900	9/15/18	19500	10/15/18	22000	11/15/18
7/16/18	114300	8/16/18	120600	9/16/18	Sunday	10/16/18	62200	11/16/18
7/17/18	105500	8/17/18	95500	9/17/18	101200	10/17/18	15700 est	11/17/18
7/18/18	108000	8/18/18	22700	9/18/18	119200	10/18/18	15700 est	11/18/18
7/19/18	108500	8/19/18	Sunday	9/19/18	79200	10/19/18	15700 est	11/19/18
7/20/18	73400	8/20/18	120400	9/20/18	13100	10/20/18	15700 est	11/20/18
7/21/18	42200	8/21/18	107900	9/21/18	14600	10/21/18	Sunday	11/21/18
7/22/18	Sunday	8/22/18	110600	9/22/18	51800	10/22/18	100500	11/22/18
7/23/18	115500	8/23/18	125000	9/23/18	Sunday	10/23/18	120900	11/23/18
7/24/18	140700	8/24/18	108800	9/24/18	93000	10/24/18	15700 est	11/24/18
7/25/18	128100	8/25/18	84900	9/25/18	54700	10/25/18	15700 est	11/25/18
7/26/18	107900	8/26/18	Sunday	9/26/18	24000	10/26/18	15700 est	11/26/18
7/27/18	79400	8/27/18	116800	9/27/18	13100 est	10/27/18	15700 est	11/27/18
7/28/18	72800	8/28/18	125500	9/28/18	13100 est	10/28/18	Sunday	11/28/18
7/29/18	Sunday	8/29/18	127200	9/29/18	13100 est	10/29/18	115800	11/29/18
7/30/18	106900	8/30/18	113300	9/30/18	Sunday	10/30/18	146800	11/30/18

7/31/18	110000	8/31/18	7600			10/31/18	101800	
TOTALS	2281200		2682600		1572300		1111000	
Total Gallons Per Month	2281200		2682600		1572300		1111000	
Max Gallons Per Day	140,700		127,200		127,200		146,800	
Avg Gallons Per Day	91,248		99,355		60,473		41,148	
Total Gallons in Report	11,885,550							
Max Gallons Per Day	146,800							

GALLONS	DATE	GALLONS
136300	12/1/18	36500
86400	12/2/18	Sunday
39000	12/3/18	117300
Sunday	12/4/18	125200
127000	12/5/18	122900
101800	12/6/18	124100
111900	12/7/18	117700
105100	12/8/18	44300
82400	12/9/18	Sunday
20200	12/10/18	111000
Sunday	12/11/18	110800
136800	12/12/18	115200
130000	12/13/18	121500
122800	12/14/18	104700
120100	12/15/18	46400
143800	12/16/18	Sunday
10150 est	12/17/18	104500
Sunday	12/18/18	112000
99600	12/19/18	102800
105200	12/20/18	115800
10150	12/21/18	87500
Holiday	12/22/18	Saturday
Holiday	12/23/18	Sunday
10150 est	12/24/18	Holiday
Sunday	12/25/18	Holiday
102400	12/26/18	Holiday
108500	12/27/18	89000
104400	12/28/18	119300
123000	12/29/18	Saturday
93100	12/30/18	Sunday

	12/31/18	Shutdown
2209950		2028500
2209950		2028500
143,800		125,200
92,081		101,425

SEMI-ANNUAL REPORT CALCULATION WORKSHEET (July-December)

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ane)	79567	150000	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	77704	146486	POTW Continuous
Total Flow to POTW	124,346.98	234,418.06	*****

TOTAL H2O TO PLANT*	NUMBER OF DAYS	AVERAGE GALLONS PER DAY	TOTAL H2O TREATED**	% OF H2O TREATED	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY
23,433,400	149	157271	11855550	50.6%	150000	296486

D6

TOTAL H2O TREATED**	NUMBER OF DAYS	AVERAGE REGULATED TOTAL	AVERAGE GALLONS PER DAY	AVERAGE SANITARY	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY	MAXIMUM SANITARY
11,855,550	149	79567	157271	77704	150000	296486	146486

79567.44966 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	306,700	536,900	1,909,000		231,200	32,700
February	391,100	677,400	2,224,000		246,500	33,900
March	346,500	579,200	1,818,000		144,300	31,700
April	398,400	690,800	1,711,000		235,700	33,700
May	347,000	750,900	2,680,000		294,500	51,400
June	293,400	636,500	1,910,000		365,400	37,600
July	449,000	209,800	2,049,000		709,900	131,500
August	368,700	194,300	2,127,000		658,800	137,300
September	419,900	220,100	2,822,000		828,100	160,700
October	335,200	164,500	2,275,000		617,800	146,400
November	496,400	291,500	2,291,000		687,700	54,200
December	365,300	212,000	3,237,000		699,900	73,400
6MO Total	2,434,500	1,292,200	14,801,000	0	4,202,200	703,500

Faucet Plant Total 18527700

	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
July	0	0	0.41	0.32	0.12	0.11			0.92	0.56			0.03	0.02				
August	0	0	0.36	0.22	0.84	0.25			0.7	0.35			0.03	0.02				
September	0	0	0.2	0.12	0.17	0.12			0.67	0.41			0.08	0.04				
October	0	0	0.21	0.21	0.09	0.09	0.02	0.02	0.19	0.19	0.02	0.02	0.02	0.02				
November	0	0	0.09	0.09	0.13	0.13	0.02	0.02	0.52	0.52	0.02	0.02	0.03	0.03				
December	0	0	0.28	0.28	0.05	0.05	0.02	0.02	0.28	0.28	0.02	0.02	0.02	0.02	0	0	0.02	0.02
Max Measured	0		0.41		0.84		0.02		0.92		0.02		0.08		0		0.02	
Avg Measured	0		0.206666667		0.12		0.02		0.401666667		0.02		0.02		0		0.02	

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

9:40:21 AM

1/24/2019

Page 1 of 1

Account Number: 04111000
Customer Name: KOHLER CO * UTILITIES
Service Address: PLASTICS

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2019	55000	262.17
02/2018	137900	647.32
03/2018	42900	206.28
04/2018	46500	224.13
05/2018	119500	563.04
06/2018	109200	516.07
07/2018	131500	618.75
08/2018	137300	646.24
09/2018	160700	753.74
10/2018	146400	688.20
11/2018	54200	260.73
12/2018	73400	349.29
Last Yr	29600	145.38



703,500

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

9:40:45 AM

1/24/2019

Page 1 of 1

Account Number: 04110000
Customer Name: KOHLER CO * UTILITIES
Service Address: PLASTICS

Type User: I
Meter Size: 30

Date	Usage	Charges
01/2019	567500	2,358.56
02/2018	610400	2,524.80
03/2018	577900	2,397.82
04/2018	463400	1,956.01
05/2018	500000	2,096.15
06/2018	728900	2,982.09
07/2018	709900	2,908.58
08/2018	658800	2,711.09
09/2018	828100	3,367.90
10/2018	617800	2,552.46
11/2018	687700	2,823.17
12/2018	699900	2,869.88
Last Yr	567500	2,358.56



4,202,200

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

9:41:15 AM

1/24/2019

Page 1 of 1

Account Number: 04099000
Customer Name: KOHLER CO * UTILITIES
Service Address: EAGLE ST

Type User: I
Meter Size: 60

Date	Usage	Charges
01/2019	2386000	9,393.79
02/2018	1537000	6,108.69
03/2018	1971000	7,787.99
04/2018	1755000	6,952.21
05/2018	1700000	6,739.40
06/2018	2013000	7,950.50
07/2018	2049000	8,089.81
08/2018	2127000	8,391.62
09/2018	2822000	11,080.84
10/2018	2275000	8,964.28
11/2018	2291000	9,026.19
12/2018	3237000	12,686.62
Last Yr	1813000	7,176.63



14,806.00

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

9:41:30 AM

1/24/2019

Page 1 of 1

Account Number: 04098000
Customer Name: KOHLER CO * UTILITIES
Service Address: OKLAHOMA ST

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2019	158000	740.34
02/2018	222200	1,023.21
03/2018	206600	961.86
04/2018	179700	841.94
05/2018	249400	1,127.97
06/2018	277400	1,236.31
07/2018	209800	973.75
08/2018	194300	910.86
09/2018	220100	1,015.32
10/2018	164500	771.95
11/2018	291500	1,290.62
12/2018	212000	981.77
Last Yr	220000	1,012.72



1,292,700

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

9:41:49 AM

1/24/2019

Page 1 of 1

Account Number: 04097500
Customer Name: KOHLER CO * UTILITIES
Service Address: 415 OKLAHOMA ST

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2019	326400	1,425.90
02/2018	273400	1,220.83
03/2018	598000	2,475.35
04/2018	485500	2,041.28
05/2018	313600	1,375.89
06/2018	449000	1,898.81
07/2018	449000	1,898.81
08/2018	368700	1,588.84
09/2018	419900	1,786.46
10/2018	335200	1,460.45
11/2018	496400	2,083.70
12/2018	365300	1,576.67
Last Yr	500000	2,096.15



2,434,500



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

18 January 2019

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

Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
SDG Number: 1901116

Enclosed are the results of analyses for samples received by the laboratory on 09-Jan-19 10:54. 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	2.0°C

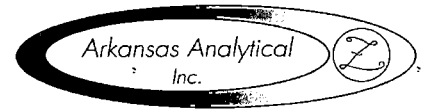
Sincerely,

A handwritten signature in cursive script that reads "Norma James / Teresa Coins".

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

This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.

18 January 2019



James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54

CASE NARRATIVE

Sample Delivery Group – 1901116

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

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 volume received as required by the method.
T40	The ambient temperature exceeded 23 +/- 2°C during the TCLP rotation process.

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:

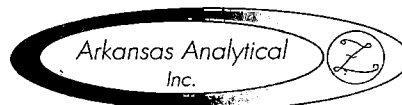
<u>Qualifier</u>	<u>Description</u>
E20	Sample used as "parent" for the associated analytical batch.
%D3/S-01	Surrogate failed to recover within acceptance criteria (%D3/S-01).
E1	Results associated with this surrogate were qualified as "estimated" (E1).
B	Present in the Associated Blank
B1	Present in 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.

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.

18 January 2019

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54



ANALYTICAL RESULTS

Lab Number: 1901116-01
Sample Name: Wastewater Composite
Date/Time Collected: 1/9/19 6:00
Sample Matrix: Water

<u>Acid Compounds</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
2,4,6-Trichlorophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,4-Dichlorophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,4-Dimethylphenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,4-Dinitrophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2-Chlorophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2-Nitrophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
4,6-Dinitro-o-cresol	ug/L	< 54.3		1/14/19 16:52	B901205	EPA 625 (mod.)
4-Nitrophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
p-Chloro-m-cresol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Pentachlorophenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Phenol	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,4,6-Tribromophenol [surr]	%	65.5		1/14/19 16:52	B901205	EPA 625 (mod.)
2-Fluorophenol [surr]	%	39.8		1/14/19 16:52	B901205	EPA 625 (mod.)
Phenol-d5 [surr]	%	38.6		1/14/19 16:52	B901205	EPA 625 (mod.)
<u>Base/Neutral Compounds</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
1,2,4-Trichlorobenzene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
1,2-Dichlorobenzene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
1,2-Diphenyl Hydrazine	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
1,3-Dichlorobenzene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
1,4-Dichlorobenzene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,3,7,8-TCDD Screen	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,2'-Oxybis(1-Chloropropane)	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,4-Dinitrotoluene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2,6-Dinitrotoluene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
2-Chloronaphthalene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
3,3'-Dichlorobenzidine	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
4-Bromophenyl-phenylether	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
4-Chlorophenyl-phenylether	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Acenaphthene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Acenaphthylene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Anthracene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzidine	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzo[a]pyrene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzo[b]fluoranthene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzo[g,h,i]perylene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzo[k]fluoranthene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Benzo (a) anthracene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Bis(2-chloroethoxy)methane	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Bis(2-chloroethyl)ether	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Bis(2-ethylhexyl)phthalate	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Butylbenzylphthalate	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Chrysene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)
Dibenz[a,h]anthracene	ug/L	< 10.9		1/14/19 16:52	B901205	EPA 625 (mod.)

18 January 2019



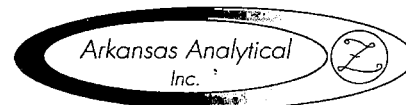
James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54

ANALYTICAL RESULTS

Lab Number: 1901116-01
Sample Name: Wastewater Composite
Date/Time Collected: 1/9/19 6:00
Sample Matrix: Water

Table with 7 columns: Base/Neutral Compounds, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. It lists various chemical compounds and their concentrations, including Diethylphthalate, Hexachlorobenzene, and Aldrin.

18 January 2019



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

Project Number: January 2019
 Date Received: 09-Jan-19 10:54

ANALYTICAL RESULTS

Lab Number: 1901116-01
 Sample Name: Wastewater Composite
 Date/Time Collected: 1/9/19 6:00
 Sample Matrix: Water

Pesticides/PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aroclor-1232	ug/L	< 0.200		1/14/19 19:02	B901175	EPA 608
Aroclor-1248	ug/L	< 0.200		1/14/19 19:02	B901175	EPA 608
Aroclor-1260	ug/L	< 0.200		1/14/19 19:02	B901175	EPA 608
Aroclor-1016	ug/L	< 0.200		1/14/19 19:02	B901175	EPA 608
Toxaphene	ug/L	< 0.300		1/14/19 19:02	B901175	EPA 608
TCMX [surr]	%	42.9		1/14/19 19:02	B901175	EPA 608
DCBP [surr]	%	68.6		1/14/19 19:02	B901175	EPA 608

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	< 0.0235		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.00120		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Chromium	mg/L	0.345		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Copper	mg/L	0.190		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Mercury	mg/L	< 0.000200		1/10/19 13:00	B901118	SW7470A/EPA245.1,3.0-1994
Molybdenum	mg/L	< 0.0312		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Nickel	mg/L	0.259		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Selenium	mg/L	< 0.0520		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)
Zinc	mg/L	0.0211		1/10/19 13:45	B901126	EPA 200.7, Rev 4.4 (1994)

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,1-Dichloroethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,1-Dichloroethene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,1,1-Trichloroethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,1,2-Trichloroethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,1,2,2-Tetrachloroethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,2-Dichlorobenzene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,2-Dichloropropane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,2-Dichloroethane	ug/L	< 100	EDL, E2, E3	1/16/19 16:36	B901246	EPA 624
1,3-Dichlorobenzene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
1,4-Dichlorobenzene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
2-Chloroethyl vinyl ether	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Acrylonitrile	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Benzene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Bromodichloromethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Bromoform	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Acrolein	ug/L	< 100	E2, E21, E3, EDL	1/16/19 16:36	B901246	EPA 624
Bromomethane	ug/L	< 100	E3, EDL, E2	1/16/19 16:36	B901246	EPA 624
Carbon tetrachloride	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Chlorobenzene	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Dibromochloromethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Chloroethane	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624
Chloroform	ug/L	< 100	E2, E3, EDL	1/16/19 16:36	B901246	EPA 624

18 January 2019



James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54

ANALYTICAL RESULTS

Lab Number: 1901116-01
Sample Name: Wastewater Composite
Date/Time Collected: 1/9/19 6:00
Sample Matrix: Water

Table with 7 columns: Volatiles, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Rows include Chloromethane, cis-1,3-Dichloropropene, Ethylbenzene, Methylene chloride, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, trans-1,3-Dichloropropene, Vinyl chloride, Dichlorodifluoromethane, 4-Bromofluorobenzene [surr], 1,2-Dichloroethane-d4 [surr], Toluene-d8 [surr], and Wet Chemistry (BOD-5, Cyanide (total), TSS).

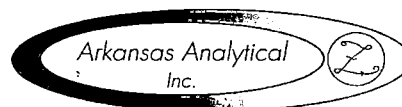
ANALYTICAL RESULTS

Lab Number: 1901116-02
Sample Name: Wastewater Grab
Date/Time Collected: 1/9/19 6:00
Sample Matrix: Water

Table with 7 columns: Wet Chemistry, Units, Result, Qualifier(s), Date/Time Analyzed, Batch, Method. Row: Oil and Grease, mg/L, < 5.49, 1/10/19 8:06, B901124, EPA1664 Mod, Rev. B 2010

18 January 2019

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54



QUALITY CONTROL RESULTS

Total Metals -- Batch: B901118 (Water)

Prepared: 09-Jan-19 14:48 By: ST -- Analyzed: 10-Jan-19 12:51 By: ST

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Mercury	<0.000200 mg/L	93.6% / NA	96.4% / 95.7%		0.738%	

Wet Chemistry -- Batch: B901124 (Water)

Prepared: 10-Jan-19 08:06 By: EP -- Analyzed: 10-Jan-19 08:06 By: EP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Oil and Grease	<5.00 mg/L	87.2% / 82.9%	79.2% / NA		5.14%	

Total Metals -- Batch: B901126 (Water)

Prepared: 10-Jan-19 08:13 By: SP -- Analyzed: 10-Jan-19 12:04 By: SP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<0.0235 mg/L	100% / NA	98.8% / 105%		6.15%	
Cadmium	<0.00120 mg/L	101% / NA	96.0% / 101%		5.35%	
Chromium	<0.0125 mg/L	100% / NA	95.0% / 100%		5.43%	
Copper	<0.00520 mg/L	95.6% / NA	89.1% / 94.3%		5.31%	
Lead	<0.0156 mg/L	102% / NA	93.1% / 98.5%		5.56%	
Molybdenum	<0.0312 mg/L	96.8% / NA	95.0% / 101%		5.78%	
Nickel	<0.0104 mg/L	101% / NA	94.1% / 99.3%		5.25%	
Selenium	<0.0520 mg/L	95.2% / NA	94.3% / 98.6%		4.46%	
Silver	<0.0208 mg/L	100% / NA	92.1% / 96.1%		4.21%	
Zinc	<0.0156 mg/L	94.7% / NA	75.3% / 85.9%		3.49%	

Wet Chemistry -- Batch: B901129 (Water)

Prepared: 10-Jan-19 08:00 By: TA -- Analyzed: 10-Jan-19 08:00 By: ST

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
BOD-5	<2.00 mg/L	101% / 99.0%	NA / NA		1.52%	

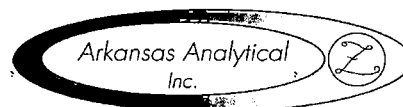
Wet Chemistry -- Batch: B901144 (Water)

Prepared: 11-Jan-19 10:25 By: MH -- Analyzed: 11-Jan-19 10:25 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	89.0% / 90.0%	NA / NA		1.12%	

18 January 2019

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54



QUALITY CONTROL RESULTS

Pesticides/PCBs -- Batch: B901175 (Water)

Prepared: 11-Jan-19 10:33 By: TB -- Analyzed: 14-Jan-19 18:49 By: tb

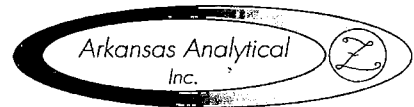
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
4,4'-DDD	<0.100 ug/L	77.8% / 77.6%	65.2% / NA		0.256%	
4,4'-DDE	<0.100 ug/L	71.2% / 63.5%	76.9% / NA		11.3%	
4,4'-DDT	<0.020 ug/L	79.1% / 79.2%	75.2% / NA		0.163%	
Aldrin	<0.010 ug/L	55.9% / 43.7%	53.5% / NA		24.5%	
alpha-BHC	<0.050 ug/L	57.9% / 51.1%	56.4% / NA		12.5%	
beta-BHC	<0.050 ug/L	57.9% / 53.8%	61.5% / NA		7.39%	
delta-BHC	<0.050 ug/L	65.1% / 59.2%	63.3% / NA		9.48%	
Dieldrin	<0.020 ug/L	68.9% / 66.3%	64.4% / NA		3.79%	
Endosulfan I	<0.010 ug/L	59.0% / 52.8%	63.7% / NA		11.1%	
Endosulfan II	<0.020 ug/L	68.7% / 67.3%	66.8% / NA		2.05%	
Endosulfan sulfate	<0.100 ug/L	74.3% / 73.8%	65.8% / NA		0.693%	
Endrin	<0.020 ug/L	71.7% / 69.7%	73.0% / NA		2.77%	
Endrin aldehyde	<0.100 ug/L	78.2% / 85.2%	62.2% / NA		8.60%	
gamma-BHC (Lindane)	<0.050 ug/L	58.1% / 52.1%	61.5% / NA		10.9%	
Heptachlor	<0.010 ug/L	59.7% / 48.1%	57.8% / NA		21.4%	
Heptachlor epoxide	<0.010 ug/L	65.9% / 59.1%	69.3% / NA		10.8%	
DCBP [surr]	62.0 %	62.1% / 60.4%	63.7% / NA		NA	
TCMX [surr]	39.8 %	44.6% / 30.8%	41.8% / NA		NA	

Wet Chemistry -- Batch: B901194 (Water)

Prepared: 14-Jan-19 07:51 By: EP -- Analyzed: 14-Jan-19 07:51 By: EP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Cyanide (total)	<0.010 mg/L	122% / NA	119% / 123%		3.31%	

18 January 2019



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

Project Number: January 2019
Date Received: 09-Jan-19 10:54

QUALITY CONTROL RESULTS

Base/Neutral Compounds -- Batch: B901205 (Water)

Prepared: 14-Jan-19 12:32 By: TB -- Analyzed: 14-Jan-19 16:29 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,2,4-Trichlorobenzene	<10.0 ug/L	58.4% / 56.9%	54.2% / NA		2.62%	
1,2-Dichlorobenzene	<10.0 ug/L	60.0% / 59.8%	52.1% / NA		0.200%	
1,2-Diphenyl Hydrazine	<10.0 ug/L	84.4% / 87.6%	79.8% / NA		3.72%	
1,3-Dichlorobenzene	<10.0 ug/L	58.7% / 58.1%	51.0% / NA		0.984%	
1,4-Dichlorobenzene	<10.0 ug/L	60.4% / 60.0%	51.7% / NA		0.721%	
2,2'-Oxybis(1-Chloropropane)	<10.0 ug/L	81.6% / 82.3%	66.6% / NA		0.893%	
2,4,6-Trichlorophenol	<10.0 ug/L	83.6% / 84.2%	80.3% / NA		0.787%	
2,4-Dichlorophenol	<10.0 ug/L	82.9% / 82.9%	75.1% / NA		0.0880%	
2,4-Dimethylphenol	<10.0 ug/L	79.9% / 78.8%	39.6% / NA		1.46%	
2,4-Dinitrophenol	<10.0 ug/L	65.7% / 72.2%	69.5% / NA		9.47%	
2,4-Dinitrotoluene	<10.0 ug/L	92.2% / 91.9%	86.0% / NA		0.348%	
2,6-Dinitrotoluene	<10.0 ug/L	90.5% / 91.5%	83.7% / NA		1.08%	
2-Chloronaphthalene	<10.0 ug/L	73.9% / 72.7%	69.2% / NA		1.69%	
2-Chlorophenol	<10.0 ug/L	81.3% / 82.6%	65.1% / NA		1.64%	
2-Nitrophenol	<10.0 ug/L	83.8% / 84.5%	66.1% / NA		0.782%	
3,3'-Dichlorobenzidine	<10.0 ug/L	92.6% / 92.2%	78.7% / NA		0.406%	
4,6-Dinitro-o-cresol	<50.0 ug/L	71.7% / 79.2%	74.9% / NA		9.97%	
4-Bromophenyl-phenylether	<10.0 ug/L	86.4% / 88.6%	80.7% / NA		2.46%	
4-Chlorophenyl-phenylether	<10.0 ug/L	85.8% / 86.1%	80.1% / NA		0.245%	
4-Nitrophenol	<10.0 ug/L	49.1% / 49.5%	54.9% / NA		0.872%	
Acenaphthene	<10.0 ug/L	76.1% / 74.8%	70.1% / NA		1.65%	
Acenaphthylene	<10.0 ug/L	78.6% / 77.4%	73.6% / NA		1.65%	
Anthracene	<10.0 ug/L	84.1% / 86.3%	80.5% / NA		2.55%	
Benzidine	<10.0 ug/L	85.2% / 84.8%	17.2% / NA		0.500%	
Benzo (a) anthracene	<10.0 ug/L	86.5% / 87.2%	85.0% / NA		0.742%	
Benzo[a]pyrene	<10.0 ug/L	89.3% / 90.0%	88.5% / NA		0.862%	
Benzo[b]fluoranthene	<10.0 ug/L	88.5% / 90.7%	90.5% / NA		2.48%	
Benzo[g,h,i]perylene	<10.0 ug/L	80.7% / 89.3%	82.4% / NA		10.2%	
Benzo[k]fluoranthene	<10.0 ug/L	88.4% / 89.0%	91.2% / NA		0.592%	
Bis(2-chloroethoxy)methane	<10.0 ug/L	77.4% / 77.4%	63.1% / NA		0.00672%	
Bis(2-chloroethyl)ether	<10.0 ug/L	81.8% / 83.1%	66.7% / NA		1.54%	
Bis(2-ethylhexyl)phthalate	<10.0 ug/L	93.2% / 92.1%	92.5% / NA		1.19%	
Butylbenzylphthalate	<10.0 ug/L	94.1% / 93.6%	94.0% / NA		0.534%	
Chrysene	<10.0 ug/L	87.5% / 86.2%	85.2% / NA		1.56%	
Dibenz[a,h]anthracene	<10.0 ug/L	84.4% / 93.9%	85.1% / NA		10.6%	
Diethylphthalate	<10.0 ug/L	84.9% / 83.9%	82.3% / NA		1.22%	
Dimethylphthalate	<10.0 ug/L	87.2% / 88.4%	79.9% / NA		1.39%	
Di-n-butylphthalate	<10.0 ug/L	89.2% / 92.0%	87.3% / NA		3.09%	
Di-n-octylphthalate	<10.0 ug/L	97.2% / 96.0%	96.1% / NA		1.27%	
Fluorene	<10.0 ug/L	84.5% / 84.3%	78.2% / NA		0.267%	
Hexachlorobenzene	<10.0 ug/L	81.1% / 81.7%	75.5% / NA		0.763%	
Hexachlorobutadiene	<10.0 ug/L	59.8% / 59.9%	56.3% / NA		0.247%	
Hexachlorocyclopentadiene	<10.0 ug/L	70.0% / 67.5%	67.4% / NA		3.53%	
Hexachloroethane	<10.0 ug/L	60.8% / 61.1%	52.5% / NA		0.420%	
Indeno[1,2,3-cd]pyrene	<10.0 ug/L	86.5% / 87.7%	87.2% / NA		1.40%	
Isophorone	<10.0 ug/L	91.3% / 93.5%	72.9% / NA		2.37%	
Naphthalene	<10.0 ug/L	60.6% / 59.4%	56.7% / NA		2.07%	
Nitrobenzene	<10.0 ug/L	87.5% / 89.2%	70.1% / NA		1.85%	

18 January 2019

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54



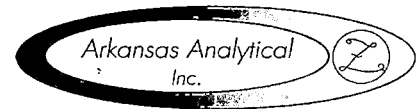
QUALITY CONTROL RESULTS

Base/Neutral Compounds -- Batch: B901205 (Water)

Prepared: 14-Jan-19 12:32 By: TB -- Analyzed: 14-Jan-19 16:29 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
N-Nitrosodimethylamine	<10.0 ug/L	53.6% / 55.4%	42.8% / NA		3.14%	
N-Nitroso-di-n-propylamine	<10.0 ug/L	77.4% / 78.7%	60.1% / NA		1.67%	
N-Nitrosodiphenylamine/diphenylamine	<10.0 ug/L	83.0% / 86.4%	76.3% / NA		3.94%	
p-Chloro-m-cresol	<10.0 ug/L	83.1% / 83.0%	78.1% / NA		0.156%	
Pentachlorophenol	<10.0 ug/L	75.6% / 83.3%	88.1% / NA		9.63%	
Phenanthrene	<10.0 ug/L	80.6% / 84.4%	79.9% / NA		4.65%	
Phenol	<10.0 ug/L	52.3% / 53.1%	43.3% / NA		1.54%	
Pyrene	<10.0 ug/L	92.4% / 90.2%	88.5% / NA		2.39%	
2,4,6-Tribromophenol [surr]	78.0 %	89.2% / 91.8%	89.3% / NA		NA	
2-Fluorobiphenyl [surr]	75.7 %	72.8% / 71.9%	62.2% / NA		NA	
2-Fluorophenol [surr]	59.3 %	61.8% / 63.1%	49.3% / NA		NA	
Nitrobenzene-d5 [surr]	80.9 %	83.5% / 85.5%	66.4% / NA		NA	
Phenol-d5 [surr]	46.2 %	45.8% / 47.4%	40.0% / NA		NA	
Terphenyl-d14 [surr]	84.0 %	90.2% / 88.3%	88.2% / NA		NA	

18 January 2019



James House
 Kohler-Plating - Sheridan
 415 S Oklahoma St.
 Sheridan, AR 72150
 Project: Semiannual Wastewater Sample(s)
 Project Number: January 2019
 Date Received: 09-Jan-19 10:54

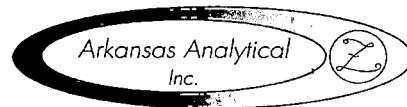
QUALITY CONTROL RESULTS

Volatiles -- Batch: B901246 (Water)

Prepared: 16-Jan-19 15:16 By: CT -- Analyzed: 16-Jan-19 22:09 By: ct

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,1,1-Trichloroethane	<10.0 ug/L	95.7% / NA	104% / 98.4%		5.28%	
1,1,2,2-Tetrachloroethane	<10.0 ug/L	86.3% / NA	94.4% / 94.8%		0.428%	
1,1,2-Trichloroethane	<10.0 ug/L	95.2% / NA	96.1% / 94.1%		2.16%	
1,1-Dichloroethane	<10.0 ug/L	108% / NA	114% / 110%		3.68%	
1,1-Dichloroethene	<10.0 ug/L	94.6% / NA	102% / 95.6%		6.22%	
1,2-Dichlorobenzene	<10.0 ug/L	95.8% / NA	98.6% / 97.4%		1.20%	
1,2-Dichloroethane	<10.0 ug/L	114% / NA	116% / 114%		1.41%	
1,2-Dichloropropane	<10.0 ug/L	114% / NA	116% / 116%		0.649%	
1,3-Dichlorobenzene	<10.0 ug/L	98.2% / NA	101% / 98.4%		2.99%	
1,4-Dichlorobenzene	<10.0 ug/L	96.2% / NA	99.1% / 96.4%		2.79%	
2-Chloroethyl vinyl ether	<10.0 ug/L	116% / NA	4.13% / 2.51%		48.8%	%D1, D
Acrolein	<10.0 ug/L	92.5% / NA	101% / 101%		0.269%	E21
Acrylonitrile	<10.0 ug/L	98.1% / NA	99.4% / 98.0%		1.46%	
Benzene	<10.0 ug/L	96.1% / NA	100% / 96.3%		3.78%	
Bromodichloromethane	<10.0 ug/L	101% / NA	103% / 101%		1.77%	
Bromoform	<10.0 ug/L	91.5% / NA	93.9% / 91.6%		2.55%	
Bromomethane	<10.0 ug/L	106% / NA	110% / 104%		5.92%	
Carbon tetrachloride	<10.0 ug/L	97.9% / NA	104% / 103%		1.24%	
Chlorobenzene	<10.0 ug/L	102% / NA	105% / 101%		3.72%	
Chloroethane	<10.0 ug/L	113% / NA	120% / 114%		5.01%	
Chloroform	<10.0 ug/L	93.0% / NA	96.4% / 93.7%		2.92%	
Chloromethane	<10.0 ug/L	115% / NA	122% / 118%		3.45%	
cis-1,3-Dichloropropene	<10.0 ug/L	93.1% / NA	95.6% / 92.8%		2.97%	
Dibromochloromethane	<10.0 ug/L	88.6% / NA	90.4% / 88.6%		2.10%	
Dichlorodifluoromethane	<10.0 ug/L	134% / NA	143% / 140%		2.43%	
Ethylbenzene	<10.0 ug/L	104% / NA	107% / 104%		2.57%	
Methylene chloride	<10.0 ug/L	89.1% / NA	91.7% / 88.8%		3.22%	
Tetrachloroethene	<10.0 ug/L	101% / NA	107% / 103%		4.13%	E11
Toluene	<10.0 ug/L	100% / NA	103% / 99.5%		3.41%	
trans-1,2-Dichloroethene	<10.0 ug/L	92.2% / NA	97.1% / 93.0%		4.37%	
trans-1,3-Dichloropropene	<10.0 ug/L	99.6% / NA	99.6% / 98.3%		1.33%	
Trichloroethene	<10.0 ug/L	99.7% / NA	96.7% / 94.6%		2.24%	
Vinyl chloride	<10.0 ug/L	121% / NA	130% / 125%		4.49%	
1,2-Dichloroethane-d4 [surr]	109 %	109% / NA	109% / 108%		NA	
4-Bromofluorobenzene [surr]	102 %	99.9% / NA	101% / 101%		NA	
Toluene-d8 [surr]	98.1 %	98.7% / NA	99.2% / 99.0%		NA	

18 January 2019



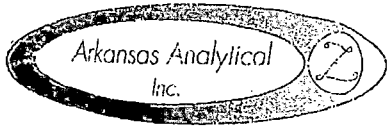
James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: January 2019
Date Received: 09-Jan-19 10:54

QUALIFIER(S)

- *%D1: Matrix Spike and/or Matrix Spike Duplicate Percent Recovery Does Not Meet Laboratory Acceptance Criteria
 - *D: RPD Value Does Not Meet Laboratory Acceptance Criteria
 - *E11: Estimated Result; Analyte Did Not Meet Method Specified Requirements for Initial Calibration Minimum Response Factor
 - *E2: Estimated Result; Analyzed Outside of Holding Time
 - *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
-



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				Wastewater Sample Semi-Annual TTO/PPFS				1 Day (100%) 2 Day (50%) 3 Day (25%) 5 Day (Routine)		1. Cool, 4 Degrees Centigrade 2. Sulfuric Acid (H ₂ SO ₄), pH < 2 3. Nitric Acid (HNO ₃), pH < 2				4. Thiosulfate for Dechlorination 5. Hydrochloric Acid(HCl) 6. Sodium Hydroxide (NaOH), pH > 12																																																																					
Attn: James House				Telephone: 870-942-2111 Email: james.house@kohler.com, neal.hollinger@kohler.com, ERIC.LITES@kohler.com				Preservative Code: Bottle Type:		<table border="1"> <tr> <th colspan="8">TEST PARAMETERS</th> <th colspan="2">Bottle Type Code</th> </tr> <tr> <td>1</td><td>1,6</td><td>1,3</td><td>1</td><td>1</td><td>1</td><td>1,2</td><td></td> <td>G = Glass; P = Plastic</td><td></td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>GV</td><td>GA</td><td>GA</td><td>GA</td><td></td> <td>V = Septum; A = Amber</td><td></td> </tr> </table>								TEST PARAMETERS								Bottle Type Code		1	1,6	1,3	1	1	1	1,2		G = Glass; P = Plastic		P	P	P	GV	GA	GA	GA		V = Septum; A = Amber																																					
TEST PARAMETERS								Bottle Type Code																																																																											
1	1,6	1,3	1	1	1	1,2		G = Glass; P = Plastic																																																																											
P	P	P	GV	GA	GA	GA		V = Septum; A = Amber																																																																											
 Sampler(s) Signature				 Sampler(s) Printed						<table border="1"> <tr> <th rowspan="2">Field Number</th> <th colspan="2">SAMPLE COLLECTION</th> <th rowspan="2">Grab</th> <th rowspan="2">Comp</th> <th rowspan="2">Number of Bottles</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">SAMPLE IDENTIFICATION/ DESCRIPTION</th> <th rowspan="2">BOD, TSS</th> <th rowspan="2">Cyanide</th> <th rowspan="2">As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Se, Ag, Zn</th> <th rowspan="2">PPS Volatiles</th> <th rowspan="2">PPS Base Neutral/Acids</th> <th rowspan="2">PPS Pesticides/PCBs</th> <th rowspan="2">Oil and Grease</th> <th rowspan="2">Arkansas Analytical Work Order Number:</th> </tr> <tr> <th>Date/s</th> <th>Time/s</th> </tr> <tr> <td></td> <td>1/8/19-1/9/19</td> <td>6AM-6AM</td> <td></td> <td>X</td> <td>12</td> <td>Water</td> <td>Wastewater Composite</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>190116</td> </tr> <tr> <td></td> <td>1/9/19</td> <td>6AM</td> <td>X</td> <td></td> <td>1</td> <td>Water</td> <td>Wastewater Grab</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>01</td> </tr> <tr> <td></td> <td>1/9/19</td> <td>6AM</td> <td>X</td> <td></td> <td>1</td> <td>Water</td> <td>Wastewater Grab - Lab QC Sample</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>02</td> </tr> </table>								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	Arkansas Analytical Work Order Number:	Date/s	Time/s		1/8/19-1/9/19	6AM-6AM		X	12	Water	Wastewater Composite	X	X	X	X	X	X		190116		1/9/19	6AM	X		1	Water	Wastewater Grab							X	01		1/9/19	6AM	X		1	Water	Wastewater Grab - Lab QC Sample							X	02
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	Arkansas Analytical Work Order Number:																																																																				
	Date/s	Time/s																																																																																	
	1/8/19-1/9/19	6AM-6AM		X	12	Water	Wastewater Composite	X	X	X	X	X	X		190116																																																																				
	1/9/19	6AM	X		1	Water	Wastewater Grab							X	01																																																																				
	1/9/19	6AM	X		1	Water	Wastewater Grab - Lab QC Sample							X	02																																																																				
1. Relinquished by: (Signature)		Date/Time 1/9/19 8:00 AM		2. Received by: (Signature)		<table border="1"> <tr> <th colspan="6">SAMPLE CONDITION UPON RECEIPT IN LAB</th> </tr> <tr> <td>1. CUSTODY SEALS:</td> <td><input checked="" type="checkbox"/></td> <td>Yes</td> <td><input type="checkbox"/></td> <td>No</td> <td></td> </tr> <tr> <td>2. CONTAINERS CORRECT:</td> <td><input type="checkbox"/></td> <td>Yes</td> <td><input type="checkbox"/></td> <td>No</td> <td></td> </tr> <tr> <td>3. COC/LABELS AGREE:</td> <td><input type="checkbox"/></td> <td>Yes</td> <td><input type="checkbox"/></td> <td>No</td> <td></td> </tr> <tr> <td>4. RECEIVED ON ICE:</td> <td><input checked="" type="checkbox"/></td> <td>Yes</td> <td><input type="checkbox"/></td> <td>No</td> <td></td> </tr> <tr> <td>5. TEMPERATURE ON RECEIPT:</td> <td></td> <td>2°C</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6. TEMPERATURE GUN ID:</td> <td></td> <td>HHT# 2</td> <td></td> <td></td> <td></td> </tr> </table>						SAMPLE CONDITION UPON RECEIPT IN LAB						1. CUSTODY SEALS:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No		2. CONTAINERS CORRECT:	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		3. COC/LABELS AGREE:	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		4. RECEIVED ON ICE:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No		5. TEMPERATURE ON RECEIPT:		2°C				6. TEMPERATURE GUN ID:		HHT# 2				REMARKS / SAMPLE COMMENTS																													
SAMPLE CONDITION UPON RECEIPT IN LAB																																																																																			
1. CUSTODY SEALS:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No																																																																															
2. CONTAINERS CORRECT:	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No																																																																															
3. COC/LABELS AGREE:	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No																																																																															
4. RECEIVED ON ICE:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No																																																																															
5. TEMPERATURE ON RECEIPT:		2°C																																																																																	
6. TEMPERATURE GUN ID:		HHT# 2																																																																																	
3. Relinquished by: (Signature)		Date/Time 1-9-19 1054		4. Received by lab: (Signature)		<table border="1"> <tr> <th colspan="4">ONSITE MEASUREMENTS BY Kohler</th> </tr> <tr> <td>pH (S.U.)</td> <td>6.61</td> <td></td> <td></td> </tr> <tr> <td>Flow</td> <td>112,500</td> <td></td> <td></td> </tr> </table>						ONSITE MEASUREMENTS BY Kohler				pH (S.U.)	6.61			Flow	112,500																																																														
ONSITE MEASUREMENTS BY Kohler																																																																																			
pH (S.U.)	6.61																																																																																		
Flow	112,500																																																																																		
FOR COMPLETION BY LAB ONLY																																																																																			

JAMES HOUSE
KOHLER CO.
415 SWTH OKLAHOMA ST.
SHERIDAN, AR 71250



Arkansas Dept. of Env. Quality
5301 Northshore Dr.
North Little Rock, AR 72118
ATTN: Mr. Guy Hester