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

Kohler Co., 415 South Oklahoma St., Sheridan, Arkansas 72150 870-942-2111 Fax 870-942-5358 www.kohler.com

KOHLER.

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

Re: **SEMI-ANNUAL REPORT 2nd HALF 2017**

Dear Mr. Lester,

In accordance with 40CFR403.12 (e) we are submitting semi-annual reports for the months July 1, 2017 through December 31, 2017. Attached with this report is the TTO anaylisis for this period.
Please contact me at 870-917-6215 should you have any questions.

Sincerely,

James House
Safety/Enviromental Specialist

Attachments: TTO Analysis for the 2nd half of 2017

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

40CFR SEMI-ANNUAL REPORT CON'D FACILITY NAME: KOHLER

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	67,818	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	44,349	98,092	**POTW Continuous**
Total Flow to POTW	87,847	194,299	**********

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

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- [x] Neutralization
- [x] Chemical Precipitation and Sedimentation
- [x] 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	0.008	0.44	0.26	0.015	1.07	0.02	0.09	0.02	0.00
Ave Measured	0.008	0.16	0.12	0.015	0.63	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: [x] Yes No

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: KOHLER

(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: [X] §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 2016

Notary Public in and for
County, Arkansas

My commission expires .

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: KOHLER

(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.

Bill Armstong
NAME OF CORPORATE OFFICIER OR AUTHORIZED REPRESENTATIVE

Bill
SIGNATURE

Plant Manager of Arkansas Faucet Operations
OFFICIAL TITLE

1/18/18
DATE SIGNED

DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE	GALLONS	DATE
7/1/17	Saturday	8/1/17	99300	9/1/17	33100	10/1/17	Sunday	11/1/17
7/2/17	Sunday	8/2/17	99300	9/2/17	Sunday	10/2/17	102000	11/2/17
7/3/17	101900	8/3/17	95500	9/3/17	Saturday	10/3/17	117800	11/3/17
7/4/17	Holiday	8/4/17	58200	9/4/17	Holiday	10/4/17	126100	11/4/17
7/5/17	116300	8/5/17	38800	9/5/17	64300	10/5/17	100100	11/5/17
7/6/17	102900	8/6/17	Sunday	9/6/17	95400	10/6/17	41200	11/6/17
7/7/17	54800	8/7/17	112500	9/7/17	113100	10/7/17	52700	11/7/17
7/8/17	39200	8/8/17	103600	9/8/17	90100	10/8/17	Sunday	11/8/17
7/9/17	Sunday	8/9/17	83300	9/9/17	14500	10/9/17	106300	11/9/17
7/10/17	94700	8/10/17	109300	9/10/17	Sunday	10/10/17	64200	11/10/17
7/11/17	131500	8/11/17	46200	9/11/17	113800	10/11/17	117400	11/11/17
7/12/17	101600	8/12/17	Saturday	9/12/17	122500	10/12/17	114900	11/12/17
7/13/17	95600	8/13/17	Sunday	9/13/17	109400	10/13/17	80300	11/13/17
7/14/17	41600	8/14/17	107800	9/14/17	127400	10/14/17	Saturday	11/14/17
7/15/17	1000	8/15/17	101800	9/15/17	79100	10/15/17	Sunday	11/15/17
7/16/17	Sunday	8/16/17	100500	9/16/17	Saturday	10/16/17	126400	11/16/17
7/17/17	99100	8/17/17	95200	9/17/17	Sunday	10/17/17	101100	11/17/17
7/18/17	110700	8/18/17	37900	9/18/17	123600	10/18/17	110400	11/18/17
7/19/17	93200	8/19/17	34900	9/19/17	127100	10/19/17	115300	11/19/17
7/20/17	71400	8/20/17	Sunday	9/20/17	122100	10/20/17	84300	11/20/17
7/21/17	69500	8/21/17	140700	9/21/17	106200	10/21/17	37400	11/21/17
7/22/17	25100	8/22/17	113100	9/22/17	95800	10/22/17	Sunday	11/22/17
7/23/17	Sunday	8/23/17	105600	9/23/17	17500	10/23/17	113200	11/23/17
7/24/17	108700	8/24/17	101200	9/24/17	Sunday	10/24/17	127000	11/24/17
7/25/17	110300	8/25/17	80400	9/25/17	102400	10/25/17	138100	11/25/17
7/26/17	103300	8/26/17	14300	9/26/17	123600	10/26/17	125300	11/26/17
7/27/17	86500	8/27/17	Sunday	9/27/17	102700	10/27/17	91200	11/27/17
7/28/17	31700	8/28/17	101400	9/28/17	82600	10/28/17	23900	11/28/17
7/29/17	Saturday	8/29/17	86600	9/29/17	87500	10/29/17	Sunday	11/29/17
7/30/17	Sunday	8/30/17	94400	9/30/17	26400	10/30/17	118200	11/30/17

7/31/17	95900	8/31/17	95500			10/31/17	118500	
TOTALS	1886500		2257300		2080200		2453300	
Total Gallons Per Mo	1886500		2257300		2080200		2453300	
Max Gallons Per Day	131,500		140,700		127,400		138,100	
Avg Gallons Per Day	82,021		86,819		83,208		98,132	
Total Gallons in Rep	12,478,600							
Max Gallons Per Day	140,700							

GALLONS	DATE	GALLONS
116400	12/1/17	91100
114500	12/2/17	38000
53300	12/3/17	Sunday
33000	12/4/17	122600
Sunday	12/5/17	121000
127200	12/6/17	112800
130200	12/7/17	115200
122700	12/8/17	71100
127300	12/9/17	39200
35800	12/10/17	Sunday
23700	12/11/17	91600
Sunday	12/12/17	95400
114400	12/13/17	92100
121400	12/14/17	91100
124200	12/15/17	68400
119800	12/16/17	28000
47400	12/17/17	Sunday
Saturday	12/18/17	102200
Sunday	12/19/17	107200
124800	12/20/17	107300
103400	12/21/17	101300
58800	12/22/17	31100
Holiday	12/23/17	Saturday
Holiday	12/24/17	Sunday
Saturday	12/25/17	Holiday
Sunday	12/26/17	Holiday
107500	12/27/17	Holiday
118100	12/28/17	Shut down
121100	12/29/17	Shut down
129600	12/30/17	Saturday

	12/31/17	Sunday
2174600		1626700
2174600		1626700
130,200		122,600
98,845		81,335

SEMI-ANNUAL REPORT CALCULATION WORKSHEET (July-December)

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	67818	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	44349	98092	POTW Continuous
Total Flow to POTW	87,847.28	194,299.44	**********

TOTAL H2O TO PLANT*	NUMBER OF DAYS	AVERAGE GALLONS PER DAY	TOTAL H20 TREATED**	% OF H2O TREATED	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY
20638900	184	112168	12478600	60.5%	150000	248092
			D6			

TOTAL H20 TREATED**	NUMBER OF DAYS	AVERAGE REGULATED TOTAL	AVERAGE GALLONS PER DAY	AVERAGE SANITARY	MAXIMUM DAY TREATED**	MAXIMUM GALLONS PER DAY	MAXIMUM SANITARY
12,478,600	184	67818	112168	44349	150000	248092	98092
	67818.47826	C12	D12		F12		

*NUMBERS FROM WATER BILLS
**NUMBERS FROM THE ECOLOGY LOG BOOK

USAGES						
Location	To Plater	NE Front	SE Front	Plastics	Toilet Seats	Toilet Seats
Meter #	4097500	4098000	4099000	4100000	4110000	4111000
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	359,300	159,200	2,001,000		492,600	32,800
August	410,700	157,100	1,736,000		601,900	35,100
September	598,200	182,600	2,058,000		1,154,400	35,500
October	525,700	161,000	1,795,000		644,800	35,900
November	637,600	204,200	2,042,000		687,700	32,900
December	666,200	177,100	2,293,000		687,700	33,700
6MO Total	**3,197,700**	**1,041,200**	**11,925,000**	**0**	**4,269,100**	**205,900**
Faucet Plant Total		16163900				

	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			0.17	0.11	0.17	0.11			1.07	0.79			0.04	0.03				
August			0.11	0.1	0.23	0.15			0.97	0.64			0.05	0.03				
September			0.19	0.11	0.16	0.14			0.71	0.56			0.03	0.03				
October			0.44	0.21	0.12	0.11			0.67	0.39			0.04	0.03				
November			0.36	0.2	0.26	0.15			1.02	0.79			0.09	0.04				
December	0.008	0.008	0.27	0.2	0.12	0.08	0.015	0.015	0.77	0.63	0.02	0.02	0.08	0.03	0	0	0.02	0.02
Max Measured	0.008		0.44		0.26		0.015		1.07		0.02		0.09		0		0.02	
Avg Measured	0.008		0.155		0.12		0.015		0.631666667		0.02		0.03		0		0.02	

Arkansas Analytical Inc.

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

13 December 2017

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

Project: Semiannual Wastewater Sample(s)

Project Number: December 2017

SDG Number: 1712070

Enclosed are the results of analyses for samples received by the laboratory on 06-Dec-17 10:03. 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	4.0°C

Sincerely,

Norma James / Teresa Coins

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

13 December 2017

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

CASE NARRATIVE

Sample Delivery Group – 1712070

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

QUALITY CONTROL QUALIFIERS:

Qualifier	Description
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 the high concentration of analyte in the parent sample.
MBI	Failed criteria due an interference in the parent sample.
%D3	Quality Control Surrogate failed acceptance criteria.
NREC	Quality Control Surrogate failed.

CALIBRATION QUALIFIERS:

Qualifier	Description
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.
E5	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

13 December 2017

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

ANALYTICAL RESULTS

Lab Number: 1712070-01
Sample Name: Wastewater Composite
Date/Time Collected: 12/6/17 6:00
Sample Matrix: Water

Acid Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4,6-Trichlorophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,4-Dichlorophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,4-Dimethylphenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,4-Dinitrophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2-Chlorophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2-Nitrophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
4,6-Dinitro-o-cresol	ug/L	< 52.1		12/12/17 19:27	B712164	EPA 625 (mod.)
4-Nitrophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
p-Chloro-m-cresol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Pentachlorophenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Phenol	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,4,6-Tribromophenol [surr]	%	81.9		12/12/17 19:27	B712164	EPA 625 (mod.)
2-Fluorophenol [surr]	%	40.9		12/12/17 19:27	B712164	EPA 625 (mod.)
Phenol-d5 [surr]	%	34.8		12/12/17 19:27	B712164	EPA 625 (mod.)

Base/Neutral Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,2,4-Trichlorobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
1,2-Dichlorobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
1,2-Diphenyl Hydrazine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
1,3-Dichlorobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
1,4-Dichlorobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,3,7,8-TCDD Screen	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,2'-Oxybis(1-Chloropropane)	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,4-Dinitrotoluene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2,6-Dinitrotoluene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2-Chloronaphthalene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
3,3'-Dichlorobenzidine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
4-Bromophenyl-phenylether	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
4-Chlorophenyl-phenylether	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Acenaphthene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Acenaphthylene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Anthracene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzidine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzo[a]pyrene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzo[b]fluoranthene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzo[g,h,i]perylene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzo[k]fluoranthene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Benzo (a) anthracene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Bis(2-chloroethoxy)methane	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Bis(2-chloroethyl)ether	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Bis(2-ethylhexyl)phthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Butylbenzylphthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Chrysene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Dibenz[a,h]anthracene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)

13 December 2017

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

ANALYTICAL RESULTS

Lab Number: 1712070-01
Sample Name: Wastewater Composite
Date/Time Collected: 12/6/17 6:00
Sample Matrix: Water

Base/Neutral Compounds	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Diethylphthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Dimethylphthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Di-n-butylphthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Di-n-octylphthalate	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Fluorene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Hexachlorobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Hexachlorobutadiene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Hexachlorocyclopentadiene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Hexachloroethane	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Indeno[1,2,3-cd]pyrene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Isophorone	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Naphthalene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Nitrobenzene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
N-Nitrosodimethylamine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
N-Nitroso-di-n-propylamine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
N-Nitrosodiphenylamine/diphenylamine	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Phenanthrene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Pyrene	ug/L	< 10.4		12/12/17 19:27	B712164	EPA 625 (mod.)
2-Fluorobiphenyl [surr]	%	58.2		12/12/17 19:27	B712164	EPA 625 (mod.)
Nitrobenzene-d5 [surr]	%	54.4		12/12/17 19:27	B712164	EPA 625 (mod.)
Terphenyl-d14 [surr]	%	72.1		12/12/17 19:27	B712164	EPA 625 (mod.)

Pesticides/PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aldrin	ug/L	< 0.010	E5	12/12/17 16:27	B712163	EPA 608
alpha-BHC	ug/L	< 0.050		12/12/17 16:27	B712163	EPA 608
beta-BHC	ug/L	< 0.050		12/12/17 16:27	B712163	EPA 608
gamma-BHC (Lindane)	ug/L	< 0.050		12/12/17 16:27	B712163	EPA 608
delta-BHC	ug/L	< 0.050		12/12/17 16:27	B712163	EPA 608
Chlordane	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
4,4'-DDT	ug/L	< 0.020		12/12/17 16:27	B712163	EPA 608
4,4'-DDE	ug/L	< 0.100		12/12/17 16:27	B712163	EPA 608
4,4'-DDD	ug/L	< 0.100		12/12/17 16:27	B712163	EPA 608
Dieldrin	ug/L	< 0.020		12/12/17 16:27	B712163	EPA 608
Endosulfan I	ug/L	< 0.010		12/12/17 16:27	B712163	EPA 608
Endosulfan II	ug/L	< 0.020	E-01	12/12/17 16:27	B712163	EPA 608
Endosulfan sulfate	ug/L	< 0.100		12/12/17 16:27	B712163	EPA 608
Endrin	ug/L	< 0.020		12/12/17 16:27	B712163	EPA 608
Endrin aldehyde	ug/L	< 0.100		12/12/17 16:27	B712163	EPA 608
Heptachlor	ug/L	< 0.010		12/12/17 16:27	B712163	EPA 608
Heptachlor epoxide	ug/L	< 0.010		12/12/17 16:27	B712163	EPA 608
Chlorpyrifos	ug/L	< 0.070		12/12/17 16:27	B712163	EPA 608
Aroclor-1242	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Aroclor-1254	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Aroclor-1221	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608

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James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

ANALYTICAL RESULTS

Lab Number:	**1712070-01**
Sample Name:	**Wastewater Composite**
Date/Time Collected:	**12/6/17 6:00**
Sample Matrix:	**Water**

Pesticides/PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aroclor-1232	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Aroclor-1248	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Aroclor-1260	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Aroclor-1016	ug/L	< 0.200		12/12/17 16:27	B712163	EPA 608
Toxaphene	ug/L	< 0.300		12/12/17 16:27	B712163	EPA 608
TCMX [surr]	%	28.0		12/12/17 16:27	B712163	EPA 608
DCBP [surr]	%	77.0		12/12/17 16:27	B712163	EPA 608

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	< 0.0104		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Cadmium	mg/L	< 0.000520		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Chromium	mg/L	**0.116**		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Copper	mg/L	**0.0484**		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Lead	mg/L	< 0.0156		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Mercury	mg/L	< 0.000200		12/7/17 15:19	B712084	SW7470A/EPA245.1,3.0- 1994
Molybdenum	mg/L	< 0.0312		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Nickel	mg/L	**0.460**		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Selenium	mg/L	< 0.0520		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)
Silver	mg/L	< 0.0208		12/12/17 9:30	B712127	EPA 200.7, Rev 4.4 (1994)
Zinc	mg/L	**0.00871**		12/11/17 17:57	B712127	EPA 200.7, Rev 4.4 (1994)

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,1-Dichloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,1-Dichloroethene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,1,1-Trichloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,1,2-Trichloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,1,2,2-Tetrachloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,2-Dichlorobenzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,2-Dichloropropane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,2-Dichloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,3-Dichlorobenzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,4-Dichlorobenzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
2-Chloroethyl vinyl ether	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Acrylonitrile	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Benzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Bromodichloromethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Bromoform	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Acrolein	ug/L	< 10.0	E20, E21	12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Bromomethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Carbon tetrachloride	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Chlorobenzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Chlorodibromomethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Chloroethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Chloroform	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995

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Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

ANALYTICAL RESULTS

Lab Number: 1712070-01
Sample Name: Wastewater Composite
Date/Time Collected: 12/6/17 6:00
Sample Matrix: Water

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Chloromethane	ug/L	< 10.0	E5	12/11/17 14:20	B712132	EPA 624 (mod.), 1995
cis-1,3-Dichloropropene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Ethylbenzene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Methylene chloride	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Tetrachloroethene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Toluene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
trans-1,2-Dichloroethene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Trichloroethene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
trans-1,3-Dichloropropene	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Vinyl chloride	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Dichlorodifluoromethane	ug/L	< 10.0		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
4-Bromofluorobenzene [surr]	%	96.2		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
1,2-Dichloroethane-d4 [surr]	%	104		12/11/17 14:20	B712132	EPA 624 (mod.), 1995
Toluene-d8 [surr]	%	108		12/11/17 14:20	B712132	EPA 624 (mod.), 1995

Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
BOD-5	mg/L	**4.58**	E5	12/7/17 9:35	B712078	SM 5210 B-2011, Hach 10360
Cyanide (total)	mg/L	**0.019**		12/7/17 10:41	B712066	SM 4500-CN B,E-2011
TSS	mg/L	**3.00**		12/8/17 10:30	B712096	I-3765-85/SM2540 D-2011

ANALYTICAL RESULTS

Lab Number: 1712070-02
Sample Name: Wastewater Grab
Date/Time Collected: 12/6/17 6:00
Sample Matrix: Water

Wet Chemistry	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Oil and Grease	mg/L	< 3.50		12/11/17 8:10	B712117	EPA1664 Mod, Rev. B 2010

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Project: Semiannual Wastewater Sample(s)

Project Number: December 2017
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QUALITY CONTROL RESULTS

Wet Chemistry -- Batch: B712066 (Water)
Prepared: 06-Dec-17 13:32 By: SP -- Analyzed: 07-Dec-17 10:41 By: SP

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Cyanide (total)	<0.010 mg/L	100% / NA	101% / 96.7%		3.81%	

Wet Chemistry -- Batch: B712078 (Water)
Prepared: 07-Dec-17 09:35 By: HF -- Analyzed: 07-Dec-17 09:35 By: HF

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
BOD-5	<2.00 mg/L	79.8% / 81.8%	NA / NA		2.50%	%D2

Total Metals -- Batch: B712084 (Water)
Prepared: 07-Dec-17 13:50 By: ST -- Analyzed: 07-Dec-17 15:17 By: ST

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Mercury	<0.000200 mg/L	101% / NA	100% / 103%		2.82%	

Wet Chemistry -- Batch: B712096 (Water)
Prepared: 08-Dec-17 10:30 By: MH -- Analyzed: 08-Dec-17 10:30 By: MH

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
TSS	<1.00 mg/L	88.0% / 86.0%	NA / NA		2.30%	

Wet Chemistry -- Batch: B712117 (Water)
Prepared: 11-Dec-17 07:59 By: CNW -- Analyzed: 11-Dec-17 08:10 By: CNW

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Oil and Grease	<3.50 mg/L	80.1% / 80.9%	79.2% / NA		0.932%	

Total Metals -- Batch: B712127 (Water)
Prepared: 11-Dec-17 12:20 By: TA -- Analyzed: 11-Dec-17 17:53 By: TA

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<0.0104 mg/L	97.2% / NA	103% / 103%		0.351%	
Cadmium	<0.000520 mg/L	104% / NA	105% / 104%		0.601%	
Chromium	<0.0104 mg/L	102% / NA	101% / 101%		0.334%	
Copper	<0.00520 mg/L	99.5% / NA	96.2% / 96.3%		0.112%	
Lead	<0.0156 mg/L	105% / NA	98.5% / 98.5%		0.0254%	
Molybdenum	<0.0312 mg/L	98.3% / NA	102% / 101%		0.774%	
Nickel	<0.0104 mg/L	105% / NA	104% / 103%		0.118%	
Selenium	<0.0520 mg/L	99.9% / NA	102% / 100%		1.40%	
Silver	<0.0208 mg/L	97.0% / NA	88.4% / 87.0%		1.57%	
Zinc	<0.00520 mg/L	101% / NA	106% / 106%		0.191%	

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QUALITY CONTROL RESULTS

Volatiles -- Batch: B712132 (Water)
Prepared: 11-Dec-17 10:37 By: CT -- Analyzed: 11-Dec-17 21:22 By: ct

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,1,1-Trichloroethane	<10.0 ug/L	106% / NA	105% / 108%		3.01%	
1,1,2,2-Tetrachloroethane	<10.0 ug/L	110% / NA	116% / 114%		1.82%	
1,1,2-Trichloroethane	<10.0 ug/L	98.5% / NA	108% / 107%		1.11%	
1,1-Dichloroethane	<10.0 ug/L	105% / NA	109% / 111%		1.39%	
1,1-Dichloroethene	<10.0 ug/L	94.1% / NA	95.8% / 112%		15.2%	
1,2-Dichlorobenzene	<10.0 ug/L	101% / NA	96.2% / 114%		16.9%	
1,2-Dichloroethane	<10.0 ug/L	102% / NA	97.5% / 101%		2.99%	
1,2-Dichloropropane	<10.0 ug/L	115% / NA	120% / 123%		1.91%	
1,3-Dichlorobenzene	<10.0 ug/L	106% / NA	106% / 115%		7.82%	
1,4-Dichlorobenzene	<10.0 ug/L	104% / NA	105% / 107%		1.79%	
2-Chloroethyl vinyl ether	<10.0 ug/L	91.6% / NA	96.1% / 97.7%		1.63%	
Acrolein	<10.0 ug/L	31.2% / NA	MBI / MBI		%	E21, MBI
Acrylonitrile	<10.0 ug/L	109% / NA	100% / 108%		7.42%	
Benzene	<10.0 ug/L	100% / NA	102% / 109%		6.23%	
Bromodichloromethane	<10.0 ug/L	94.0% / NA	98.6% / 110%		10.4%	
Bromoform	<10.0 ug/L	108% / NA	110% / 119%		7.30%	
Bromomethane	<10.0 ug/L	82.5% / NA	79.9% / 85.2%		6.38%	
Carbon tetrachloride	<10.0 ug/L	101% / NA	105% / 108%		3.12%	
Chlorobenzene	<10.0 ug/L	97.3% / NA	115% / 116%		1.46%	
Chlorodibromomethane	<10.0 ug/L	117% / NA	122% / 122%		0.450%	
Chloroethane	<10.0 ug/L	96.5% / NA	104% / 117%		12.5%	
Chloroform	<10.0 ug/L	101% / NA	97.5% / 101%		3.83%	
Chloromethane	<10.0 ug/L	130% / NA	123% / 108%		12.8%	E5
cis-1,3-Dichloropropene	<10.0 ug/L	111% / NA	105% / 115%		9.33%	
Dichlorodifluoromethane	<10.0 ug/L	94.8% / NA	114% / 120%		4.84%	
Ethylbenzene	<10.0 ug/L	113% / NA	119% / 119%		0.551%	
Methylene chloride	<10.0 ug/L	102% / NA	102% / 95.9%		6.55%	
Tetrachloroethene	<10.0 ug/L	104% / NA	115% / 113%		1.75%	
Toluene	<10.0 ug/L	117% / NA	127% / 125%		1.15%	
trans-1,2-Dichloroethene	<10.0 ug/L	107% / NA	111% / 111%		0.287%	
trans-1,3-Dichloropropene	<10.0 ug/L	104% / NA	108% / 121%		11.8%	
Trichloroethene	<10.0 ug/L	97.0% / NA	105% / 109%		4.12%	
Vinyl chloride	<10.0 ug/L	116% / NA	113% / 120%		6.18%	
1,2-Dichloroethane-d4 [surr]	95.1 %	94.3% / NA	94.4% / 102%		NA	
4-Bromofluorobenzene [surr]	96.7 %	102% / NA	107% / 96.0%		NA	
Toluene-d8 [surr]	109 %	110% / NA	118% / 116%		NA	

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QUALITY CONTROL RESULTS

Pesticides/PCBs -- Batch: B712163 (Water)
Prepared: 12-Dec-17 13:20 By: KR -- Analyzed: 12-Dec-17 16:14 By: TB

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
4,4'-DDD	<0.100 ug/L	76.5% / 78.0%	73.2% / NA		1.89%	
4,4'-DDE	<0.100 ug/L	71.0% / 72.4%	69.7% / NA		2.06%	
4,4'-DDT	<0.020 ug/L	75.8% / 78.0%	72.4% / NA		2.78%	
Aldrin	<0.010 ug/L	29.5% / 48.6%	54.6% / NA		48.7%	%D2
alpha-BHC	<0.050 ug/L	71.7% / 70.5%	54.4% / NA		1.62%	
beta-BHC	<0.050 ug/L	68.8% / 69.8%	66.3% / NA		1.40%	
delta-BHC	<0.050 ug/L	76.9% / 76.3%	71.2% / NA		0.751%	
Dieldrin	<0.020 ug/L	71.3% / 72.3%	66.4% / NA		1.51%	
Endosulfan I	<0.010 ug/L	64.1% / 63.8%	59.6% / NA		0.502%	
Endosulfan II	<0.020 ug/L	75.9% / 77.5%	71.4% / NA		2.15%	E-01
Endosulfan sulfate	<0.100 ug/L	81.2% / 83.7%	76.1% / NA		3.08%	
Endrin	<0.020 ug/L	71.1% / 73.4%	68.4% / NA		3.20%	
Endrin aldehyde	<0.100 ug/L	72.8% / 80.4%	63.8% / NA		9.90%	
gamma-BHC (Lindane)	<0.050 ug/L	71.0% / 70.5%	65.3% / NA		0.687%	
Heptachlor	<0.010 ug/L	36.9% / 51.2%	56.1% / NA		32.4%	
Heptachlor epoxide	<0.010 ug/L	65.1% / 65.3%	60.1% / NA		0.424%	
DCBP [surr]	81.9 %	82.0% / 86.3%	66.7% / NA		NA	
TCMX [surr]	60.0 %	63.0% / 50.1%	57.2% / NA		NA	

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QUALITY CONTROL RESULTS

Base/Neutral Compounds -- Batch: B712164 (Water)
Prepared: 12-Dec-17 14:15 By: KR -- Analyzed: 12-Dec-17 18:41 By: KR

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
1,2,4-Trichlorobenzene	<10.0 ug/L	61.5% / 56.6%	46.1% / NA		8.20%	
1,2-Dichlorobenzene	<10.0 ug/L	62.2% / 57.2%	43.9% / NA		8.39%	
1,2-Diphenyl Hydrazine	<10.0 ug/L	79.2% / 79.4%	68.5% / NA		0.305%	
1,3-Dichlorobenzene	<10.0 ug/L	61.0% / 56.3%	43.0% / NA		7.97%	
1,4-Dichlorobenzene	<10.0 ug/L	61.6% / 56.1%	43.0% / NA		9.47%	
2,2'-Oxybis(1-Chloropropane)	<10.0 ug/L	66.1% / 64.0%	48.6% / NA		3.23%	
2,4,6-Trichlorophenol	<10.0 ug/L	78.5% / 81.7%	68.5% / NA		4.06%	
2,4-Dichlorophenol	<10.0 ug/L	74.9% / 76.4%	63.8% / NA		2.03%	
2,4-Dimethylphenol	<10.0 ug/L	65.8% / 69.5%	54.0% / NA		5.41%	
2,4-Dinitrophenol	<10.0 ug/L	64.8% / 76.4%	71.2% / NA		16.4%	
2,4-Dinitrotoluene	<10.0 ug/L	82.1% / 86.8%	76.7% / NA		5.64%	
2,6-Dinitrotoluene	<10.0 ug/L	82.4% / 86.3%	72.7% / NA		4.62%	
2-Chloronaphthalene	<10.0 ug/L	74.1% / 71.1%	57.7% / NA		4.12%	
2-Chlorophenol	<10.0 ug/L	66.2% / 67.0%	49.8% / NA		1.23%	
2-Nitrophenol	<10.0 ug/L	69.9% / 73.1%	55.1% / NA		4.49%	
3,3'-Dichlorobenzidine	<10.0 ug/L	78.5% / 78.5%	64.7% / NA		0.0318%	
4,6-Dinitro-o-cresol	<50.0 ug/L	77.8% / 81.6%	68.8% / NA		4.84%	
4-Bromophenyl-phenylether	<10.0 ug/L	78.3% / 81.1%	71.7% / NA		3.49%	
4-Chlorophenyl-phenylether	<10.0 ug/L	75.0% / 74.8%	64.8% / NA		0.208%	
4-Nitrophenol	<10.0 ug/L	52.5% / 57.8%	49.1% / NA		9.58%	
Acenaphthene	<10.0 ug/L	73.0% / 73.2%	59.9% / NA		0.323%	
Acenaphthylene	<10.0 ug/L	72.6% / 73.6%	60.0% / NA		1.34%	
Anthracene	<10.0 ug/L	80.0% / 79.7%	73.1% / NA		0.322%	
Benzidine	<10.0 ug/L	69.3% / 59.3%	40.0% / NA		15.6%	
Benzo (a) anthracene	<10.0 ug/L	83.6% / 87.0%	77.8% / NA		3.97%	
Benzo[a]pyrene	<10.0 ug/L	83.6% / 86.4%	77.7% / NA		3.31%	
Benzo[b]fluoranthene	<10.0 ug/L	84.4% / 85.7%	77.8% / NA		1.51%	
Benzo[g,h,i]perylene	<10.0 ug/L	82.0% / 84.0%	75.4% / NA		2.39%	
Benzo[k]fluoranthene	<10.0 ug/L	82.8% / 84.7%	75.8% / NA		2.23%	
Bis(2-chloroethoxy)methane	<10.0 ug/L	69.1% / 68.6%	53.8% / NA		0.636%	
Bis(2-chloroethyl)ether	<10.0 ug/L	67.4% / 65.8%	50.3% / NA		2.47%	
Bis(2-ethylhexyl)phthalate	<10.0 ug/L	91.0% / 95.7%	86.5% / NA		5.07%	
Butylbenzylphthalate	<10.0 ug/L	88.5% / 94.2%	83.9% / NA		6.17%	
Chrysene	<10.0 ug/L	82.3% / 85.2%	76.6% / NA		3.52%	
Dibenz[a,h]anthracene	<10.0 ug/L	60.1% / 61.9%	55.9% / NA		2.91%	
Diethylphthalate	<10.0 ug/L	71.7% / 75.3%	65.4% / NA		4.91%	
Dimethylphthalate	<10.0 ug/L	75.5% / 79.2%	66.9% / NA		4.73%	
Di-n-butylphthalate	<10.0 ug/L	83.8% / 85.2%	79.4% / NA		1.62%	
Di-n-octylphthalate	<10.0 ug/L	91.4% / 98.9%	87.3% / NA		7.84%	
Fluorene	<10.0 ug/L	76.6% / 77.5%	66.7% / NA		1.23%	
Hexachlorobenzene	<10.0 ug/L	82.4% / 83.0%	74.8% / NA		0.655%	
Hexachlorobutadiene	<10.0 ug/L	61.0% / 54.5%	44.7% / NA		11.3%	
Hexachlorocyclopentadiene	<10.0 ug/L	55.2% / 52.2%	39.6% / NA		5.65%	
Hexachloroethane	<10.0 ug/L	61.6% / 55.1%	41.7% / NA		11.1%	
Indeno[1,2,3-cd]pyrene	<10.0 ug/L	84.6% / 87.8%	77.7% / NA		3.73%	
Isophorone	<10.0 ug/L	67.2% / 69.7%	54.1% / NA		3.74%	
Naphthalene	<10.0 ug/L	60.1% / 55.9%	46.5% / NA		7.21%	
Nitrobenzene	<10.0 ug/L	68.5% / 69.2%	52.9% / NA		1.01%	

13 December 2017

James House
Kohler-Plating - Sheridan
415 S Oklahoma St.
Sheridan, AR 72150
Project: Semiannual Wastewater Sample(s)
Project Number: December 2017
Date Received: 06-Dec-17 10:03

QUALITY CONTROL RESULTS

Base/Neutral Compounds -- Batch: B712164 (Water)
Prepared: 12-Dec-17 14:15 By: KR -- Analyzed: 12-Dec-17 18:41 By: KR

Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
N-Nitrosodimethylamine	<10.0 ug/L	45.1% / 46.4%	35.6% / NA		2.71%	
N-Nitroso-di-n-propylamine	<10.0 ug/L	70.5% / 70.3%	55.4% / NA		0.240%	
N-Nitrosodiphenylamine/diphenylamine	<10.0 ug/L	82.3% / 81.8%	73.7% / NA		0.637%	
p-Chloro-m-cresol	<10.0 ug/L	69.1% / 74.6%	65.3% / NA		7.62%	
Pentachlorophenol	<10.0 ug/L	82.6% / 90.4%	86.5% / NA		9.04%	
Phenanthrene	<10.0 ug/L	80.4% / 81.6%	73.5% / NA		1.46%	
Phenol	<10.0 ug/L	39.2% / 41.8%	33.6% / NA		6.62%	
Pyrene	<10.0 ug/L	82.9% / 87.7%	78.8% / NA		5.55%	
2,4,6-Tribromophenol [surr]	76.5 %	92.4% / 96.6%	86.8% / NA		NA	
2-Fluorobiphenyl [surr]	74.6 %	76.3% / 76.1%	60.6% / NA		NA	
2-Fluorophenol [surr]	49.7 %	52.0% / 54.3%	40.2% / NA		NA	
Nitrobenzene-d5 [surr]	71.3 %	70.5% / 71.0%	53.4% / NA		NA	
Phenol-d5 [surr]	39.4 %	40.6% / 42.4%	34.4% / NA		NA	
Terphenyl-d14 [surr]	82.8 %	83.9% / 89.2%	77.8% / NA		NA	

QUALIFIER(S)

*%D2:	Laboratory Control Spike and/or Laboratory Control Spike Duplicate Percent Recovery Does Not Meet Laboratory Acceptance Criteria
*E-01:	Estimated Result; This Analyte Failed "High" in the CCV; If the sample is non-detect for this analyte, the CCV demonstrated the analyte would have been detected were it present.
*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.
*E5:	Estimated Result Due to Quality Control Failure
*MBI:	Masked By Interference

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

Arkansas Analytical Inc.
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
Kohler	Wasetwater Sample	1 Day (100%)
415 South Oklahoma St.	Semi-Annual TTO/PPPS	2 Day (50%)
Sheridan, AR 72150	**Reporting Information**	3 Day (25%)
	Telephone: 870-942-2111	5 Day (Routine)
Attn: James House	Email: james.house@kohler.com, joe.mcelroy@kohler.com, neal.hollinger@kohler.com	Preservative Code: / Bottle Type:

Preservation Codes:
1. Cool, 4 Degrees Centigrade
2. Sulfuric Acid (H_2SO_4), pH < 2
3. Nitric Acid (HNO_3), pH < 2
4. Thiosulfate for Dechlorination
5. Hydrochloric Acid(HCl)
6. Sodium Hydroxide (NaOH), pH > 12

Sampler(s) Signature: Mike Lorenson

Sampler(s) Printed: Mike Lorenson

Field Number	SAMPLE COLLECTION Date/s	Time/s	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: 17I2070
	12/5-12/6-2017	6AM-6AM		X	12	Water	Wastewater Composite	X	X	X	X	X	X				01
	12/6/2017	6AM	X		1	Water	Wastewater Grab							X			02
	12/6/2017	6AM	X		1	Water	Wastewater Grab - Lab QC Sample							X			1

Incorrect Container/Preservation
Incorrect container and/or preservation for VOA Headspace analysis(es).
Data will be qualified.

1. Relinquished by: (Signature)	Date/Time	2. Received by: (Signature)
Mike Lorenson	12/6/2017 8:00 AM	Parrish
3. Relinquished by: (Signature)	Date/Time	4. Received by lab: (Signature)
Parrish COU	12.6.17 1008	Sammy Riddle

SAMPLE CONDITION UPON RECEIPT IN LAB

1. CUSTODY SEALS:	√ Yes	___ No
2. CONTAINERS CORRECT:	√ Yes	___ No
3. COC/LABELS AGREE:	√ Yes	___ No
4. RECEIVED ON ICE:	√ Yes	___ No
5. TEMPERATURE ON RECEIPT:	4 °C	
6. TEMPERATURE GUN ID:	HHT# 2	

FOR COMPLETION BY LAB ONLY

REMARKS / SAMPLE COMMENTS

ONSITE MEASUREMENTS BY Kohler

pH (S.U.)	6.72
Flow	121,000

SHERIDAN WATER & SEWER WORKS
Usage & Charges History

10:29:43 AM 1/16/2018 Page 1 of 1

Account Number: 04111000
Customer Name: KOHLER CO * UTILITIES **Type User:** I
Service Address: PLASTICS **Meter Size:** 20

Date	Usage	Charges
01/2018	29600	145.38
02/2017	22800	113.25
03/2017	23200	116.80
04/2017	55800	266.45
05/2017	26500	131.28
06/2017	35900	173.77
07/2017	32800	159.68
08/2017	35100	172.33
09/2017	35500	173.05
10/2017	35900	173.77
11/2017	32900	159.86
12/2017	33700	164.14
Last Yr	29600	145.38

TOTAL 205,900

SHERIDAN WATER & SEWER WORKS

Usage & Charges History

10:29:02 AM 1/16/2018 Page 1 of 1

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

Type User: I
Meter Size: 30

Date	Usage	Charges
01/2018	567500	2,358.56
02/2017	610400	2,524.80
03/2017	580000	2,405.70
04/2017	463400	1,956.01
05/2017	318100	1,394.53
06/2017	767800	3,132.86
07/2017	492600	2,068.49
08/2017	601900	2,490.69
09/2017	1154400	4,629.74
10/2017	644800	2,656.92
11/2017	687700	2,823.17
12/2017	687700	2,823.17
Last Yr	567500	2,358.56

I

TOTAL 4,269,100

SHERIDAN WATER & SEWER WORKS

Usage & Charges History

10:31:38 AM 1/16/2018 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
01/2018	1813000	7,176.63
02/2017	1982000	7,830.56
03/2017	2404000	9,463.44
04/2017	2302000	9,068.76
05/2017	1623000	6,441.45
06/2017	2596000	10,206.36
07/2017	2001000	7,904.08
08/2017	1736000	6,878.69
09/2017	2058000	8,124.64
10/2017	1795000	7,106.98
11/2017	2042000	8,062.73
12/2017	2293000	9,033.93
Last Yr	1813000	7,176.63

I

TOTAL 11,925,000

SHERIDAN WATER & SEWER WORKS

Usage & Charges History

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

Type User: I
Meter Size: 20

Date	Usage	Charges
01/2018	220000	1,012.72
02/2017	263700	1,182.55
03/2017	292300	1,294.20
04/2017	232300	1,062.04
05/2017	133300	627.67
06/2017	216900	1,000.97
07/2017	159200	748.20
08/2017	157100	738.72
09/2017	182600	855.69
10/2017	161000	754.28
11/2017	204200	953.55
12/2017	177100	831.58
Last Yr	220000	1,012.72

TOTAL 1041200

SHERIDAN WATER & SEWER WORKS

Usage & Charges History

10:30:25 AM 1/16/2018 Page 1 of 1

Account Number: 04097500
Customer Name: KOHLER CO * UTILITIES **Type User:** I
Service Address: 415 OKLAHOMA ST **Meter Size:** 20

Date	Usage	Charges
01/2018	500000	2,096.15
02/2017	419400	1,785.76
03/2017	382900	1,643.29
04/2017	486900	2,045.70
05/2017	325900	1,422.74
06/2017	444100	1,882.06
07/2017	359300	1,553.45
08/2017	410700	1,751.35
09/2017	598200	2,478.09
10/2017	525700	2,196.33
11/2017	637600	2,629.56
12/2017	666200	2,741.21
Last Yr	460000	1,941.37

TOTAL 3,197,700

KOHLER CO.
415 SOUTH OKLAHOMA ST.
SHERIDAN, AR 71250

CERTIFIED MAIL®

7017 1450 0001 2560 9116

UNITED STATES POSTAL SERVICE®

1000

72118

U.S. POSTAGE
PAID
SHERIDAN, AR
72150
JAN 18, 18
AMOUNT
$7.92
R2305E125647-02

Arkansas Department of Environmental Quality
Attn: Guy Lester
5301 Northshore Drive
North Little Rock AR 72118