		EBWWTP INFLUENT SAMPLING						
	Sample	Collection	Sample	hours	ppb	ppt	ppt	ppt
	Date	Time	Type	ZIMPRO	**1,4 Dioxane**	**PFOA**	**PFOS**	PFBA
	7/16/2019	10:10	Grab	26 hrs prior	21.3	73.0	49.8	116.0
	8/6/2019	9:15	Grab	30 hrs prior	15.6	64.6	56.4	141.0
	9/17/2019	12:30	Grab	shut dn 9 days	18.7	10.8	12.5	0.0
	10/31/2019	9:00	Grab	50 hrs prior		46.0	30.9	0.0
	11/8/2019							
	11/13/2019	10:45	Grab	46 hrs prior		45.2	29.7	123.0
	11/15/2019	9:30	Grab	56 hrs prior		34.8	20.1	103.0
	11/18/2019	12:20	Grab	4 hrs prior		28.5	17.1	136.0
	11/20/2019	15:10	Grab	48 hrs prior		27.8	25.5	101.0
	11/22/2019							
	11/25/2019	13:55	Grab	5 hrs prior		0.0	0.0	123.0
	11/27/2019							
	12/4/2019	9:10	Grab	60 hrs prior		36.7	19.6	34.4
	12/17/2019	12:45	Grab	24 hrs prior		27.2	0.0	0.0
	12/18/2019							
	12/20/2019	9:20	Grab	Shut dn 55hr		65.8	35.0	0.0
	12/23/2019	11:40	Grab	Shut dn 5dys		47.1	29.2	0.0
	12/27/2019							
	12/31/2019	14:10	Grab	24 hrs prior		33.7	32.2	0.0
	1/2/2020	7:40	Grab	shut dn 48 hrs		94.3	42.3	0.0
	1/3/2020	9:20	Grab	shut dn 72hrs		32.6	25.8	0.0
	1/10/2020	9:55	Grab	shut dn 10 dys		45.3	55.5	0.0
	1/16/2020	8:45	Grab	40 hrs prior		30.8	35.3	0.0
	1/17/2020	9:45	Grab	64 hrs prior		44.6	39.7	0.0
	1/24/2020	14:00	Grab	shut dn60hrs		35.2	31.1	39.3
	1/31/2020	10:00	Grab	shut dn36hrs		33.3	26.2	0.0
	2/14/2020	10:20	Grab	shut dn 200+		31.5	38.3	0.0
	2/17/2020	13:50	Grab	5 hrs prior		24.1	53.1	0.0
	2/18/2020	9:34	Grab	24 hrs prior		51.5	43.0	0.0
	2/19/2020	10:25	Grab	48 hrs prior		82.3	43.3	0.0
	2/28/2020	10:45	Grab	shut dn216 hrs		28.9	32.6	0.0
	3/2/2020	10:30	Grab	shut dn288hrs		57.4	46.1	0.0
	3/9/2020	8:50	Grab	shut dn16dys		32.1	29.1	0.0
	3/10/2020	15:40	Grab	13 hrs prior		32.9	20.6	0.0
	3/11/2020	15:15	Grab	36 hrs prior		31.4	29.4	0.0
	3/12/2020	12:56	Grab	50 hrs prior		29.1	25.7	0.0
	3/13/2020	12:33	Grab	shut dn24 hrs		36.3	29.4	0.0
	3/26/2020		Comp	66 hrs prior		28.5	31.8	0.0
	4/2/2020		Comp	67 hrs prior		41.2	39.9	0.0
	4/8/2020		Comp	shut dn132hrs		47.3	58.3	92.5
	4/15/2020							

	4/22/2020		Comp	48 hrs prior		30.7	31.2	0.0
	5/1/2020		Comp	shut dn 168		20.2	34.6	0.0
	5/8/2020							
	5/15/2020	9:55	Grab	shut dn 36		52.3	42.0	98.5
	5/18/2020	14:25	Grab	shut dn 96		80.5	31.0	762.0
	5/29/2020		Comp			55.6	36.6	0.0
	6/10/2020							
	6/16/2020							
	7/1/2020		Comp	shut dn 50 days		38.0	36.0	0.0
	7/6/2020							
	7/8/2020		Comp	shut dn 57 days		45.8	41.0	0.0
	7/30/2020		Comp		21.3	21.3	29.1	0.0
	8/3/2020							
	8/7/2020		Comp			31.4	31.3	0.0
	8/18/2020		Comp			29.9	33.0	0.0
	9/18/2020		Comp			36.2	50.8	0.0
	9/23/2020		Comp	shut down 134 days		32.9	33.1	0.0
		NOTES:						
		* a numeric 0 is used in lieu of ND to facilitate calculation of averages. J values are cons						
		* 1,4-Dioxane expressed as ug/L						
		* PFAS compounds expressed as ng/L						
		* Zimpro running means startup or shutdown was X hours before sample taken. 26 hou						

ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt
PFPeA	PFHxA	PFHpA	PFNA	PFDA	PFPFUnA	PFDoA	PFTrA	PFTA
374	511	873	11.7	20.8	4.97	4.86	0.0	0.0
523	706	845	10.6	25.3	5.28	7.47	0.0	0.0
0	8.00	5.39	0	0.0	0.0	0.0	0.0	0.0
583	716	896	4.88	4.59	0.0	0.0	0.0	0.0
669	987	834	4.49	6.4	0.0	0.0	0.0	0.0
650	905.00	675	0.00	0.0	0.0	0.0	0.0	0.0
338	449	201	0.00	0.0	0.0	0.0	0.0	0.0
531	932.00	1130	0.00	0.0	0.0	0.0	0.0	0.0
228	351	179	0.00	0.0	0.0	0.0	0.0	0.0
351	690	1180	6.21	0.0	0.0	0.0	0.0	0.0
200	417.00	795	0.00	0.0	0.0	0.0	0.0	0.0
296	544.00	476	0.00	0.0	0.0	0.0	0.0	0.0
184	302.00	177	0.00	0.0	0.0	0.0	0.0	0.0
190	380.00	347	0.00	0.0	0.0	0.0	0.0	0.0
394	735.00	503	7.62	12.2	0.0	0.0	0.0	9.3
186	343.00	216	0.00	0.0	0.0	0.0	0.0	0.0
0	172.00	58.7	0.00	0.0	0.0	0.0	0.0	0.0
165	343.00	994	6.27	0.0	0.0	0.0	0.0	0.0
207	400.00	668	0.00	0.0	0.0	0.0	0.0	0.0
120	261	399	0.00	0.0	0.0	0.0	0.0	10.5
120	227	329	0.00	0.0	0.0	0.0	0.0	0.0
0	59.20	19.2	0.00	0.0	0.0	0.0	0.0	0.0
0	32.90	14.8	0.00	0.0	0.0	0.0	0.0	0.0
126	212.00	600	51.50	0.0	0.0	0.0	0.0	0.0
224	417.00	925	8.43	6.63	0.0	0.0	0.0	0.0
0	47.80	20.7	0.00	0.0	0.0	0.0	0.0	0.0
0	142.00	29.7	0.00	0.0	0.0	0.0	0.0	0.0
0	70.3	19.5	0.00	0.0	0.0	0.0	0.0	0.0
96.2	148	324	0.00	0.0	0.0	0.0	0.0	0.0
164	259	784	0.00	0.0	0.0	0.0	0.0	0.0
257	419	1120	0.00	0.0	0.0	0.0	0.0	0.0
228	345	711	0.00	0.0	0.0	0.0	0.0	0.0
213	334	494	0.00	0.0	0.0	0.0	0.0	0.0
468	579	787	0.00	6.73	0.0	0.0	0.0	0.0
202	266	133	0.00	8.52	0.0	0.0	0.0	0.0

187	316	543	0.00	0.0	0.0	0.0	0.0	0.0
57.9	96.7	34.3	0.00	0.0	0.0	0.0	0.0	0.0
419	610.0	542	0.00	0.0	0.0	0.0	0.0	0.0
1590	1710	931	7.62	26.3	0.0	0.0	0.0	0.0
53.9	101.0	29.8	13.20	7.06	0.0	0.0	0.0	0.0
43.8	82.0	18.8	0.00	0	0.0	0.0	0.0	0.0
43.0	105.0	32.5	0.00	0	0.0	0.0	0.0	0.0
45.1	83.0	20.1	0.00	0	0.0	0.0	0.0	0.0
37.4	66.8	18.3	0.00	0	0.0	0.0	0.0	0.0
58.2	94.7	17.5	0.00	0	0.0	0.0	0.0	0.0
68.1	113.0	24.7	0.00	0	0.0	0.0	0.0	0.0
0.0	91.8	19	0.00	0	0.0	0.0	0.0	0.0
idered nondetect								

rs prior means startup was 26 hours before sampling. Shut dn 55hr means Zimpro was shut down 55 ho

ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	**ppt**
L-PFBS	PFPeS	PFHxS	PFHpS	PFNS	PFDS	PFOSA	N-MeFOSAA	N-EtFOSAA	**PFOA + PFOS**
49.5	0.0	0.00	0.0	0.0	0.0	0.0	16.60	8.37	**122.8**
0.0	0.0	16.10	0.0	0.0	0.0	0.0	16.10	0.00	**121.0**
0.0	0.0	5.10	0.0	0.0	0.0	0.0	0.00	0.00	**23.3**
24.3	0.0	0.00	0.0	0.0	0.0	0.0	2.72	0.00	**76.9**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**74.9**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**54.9**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**45.6**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**53.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**0.0**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**56.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**27.2**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**100.8**
0.0	0.0	7.72	0.0	0.0	0.0	0.0	0.00	0.00	**76.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**65.9**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	17.60	8.31	**136.6**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**58.4**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**100.8**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**66.1**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**84.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**66.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**59.5**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**69.8**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**77.2**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**94.5**
51.7	0.0	0.00	0.0	0.0	0.0	0.0	13.00	0.00	**125.6**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**61.5**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**103.5**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**61.2**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**53.5**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**60.8**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**54.8**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**65.7**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	23.00	0.00	**60.3**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**81.1**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	12.60	0.00	**105.6**

0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**61.9**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	18.50	**54.8**
42.5	0.0	0.00	0.0	0.0	0.0	0.0	0.00	16.30	**94.3**
28.7	0.0	8.16	0.0	0.0	0.0	0.0	0.00	0.00	**111.5**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	11.40	0.00	**92.2**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**74.0**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**86.8**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	5.39	0.00	**50.4**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**62.7**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**62.9**
0.0	0.0	9.63	0.0	0.0	0.0	0.0	0.00	0.00	**87.0**
0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	**66.0**
urs prior to sampling.									

ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt
SUM ALL	4:2 FTS	6:2 FTS	8:2 FTS	HFPO-DA	ADONA	9Cl-PF3ONS	11Cl-PF3OUdS	FBSA
2,113.6								
2,416.9								
41.8								
2,308.4								
2,698.8								
2,387.9								
1,169.6								
2,747.3								
881.0								
2,317.9								
1,439.2								
1,416.8								
747.0								
982.9								
1,823.7								
803.4								
331.5								
1,574.4								
1,359.3								
896.1								
735.5								
148.2								
124.9								
1,084.0								
1,771.4								
130.0								
275.2								
151.0								
621.7								
1,267.8								
1,850.8								
1,349.7								
1,124.3								
1,921.8								
820.2								

1,107.9								
262.2								
1,822.6								
5,175.3								
308.6								
218.6	0	6.1	0					
267.3	0	6.74	0					
204.0								
185.2	0	7.39	0					
233.3	0	10.1	0					
302.4	0	22.1	0					
176.8	0	7.97	0					

20 add								
cmpds ND								