Toppenish Wastewater Treatment Plant
Revised February 2012

Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
SP-03	10154273	*Nitrogen*	Ammonia (NH3+NH4) as N	38.4		mg/L
			Nitrate+Nitrite as N	0.05	U	mg/L
			Total Kjeldahl Nitrogen	53.8		mg/L
		Bacteria	Fecal Coliform	**>1600000**		per 100ml
			E. Coli	**>1600000**	J	per 100ml
		General Chemistry	Alkalinity as CaCO3	257		mg/L
			Bromide	0.2	U	mg/L
			Chloride	489		mg/L
			Fluoride	0.534		mg/L
			Phosphorus, total	8.4		mg/L
			Sulfate	15.9		mg/L
		Metals	Arsenic	45	U	ug/L
			Barium	64.1		ug/L
			Cadmium	3	U	ug/L
			Calcium	58900		ug/L
			Chromium	10	U	ug/L
			Copper	63.1		ug/L
			Iron	674		ug/L
			Lead	25	U	ug/L
			Magnesium	19400		ug/L
			Manganese	36.2		ug/L
			Mercury	0.152	J	ug/L
			Potassium	19100		ug/L
			Selenium	50	U	ug/L
			Silver	10	U	ug/L
			Sodium	230000		ug/L
			Zinc	172		ug/L
		Wastewater Organics	1,4-dichlorobenzene	1.42	J	ug/L
			1-methylnaphthalene	0.2	UJ	ug/L
			2,2',4,4'-tetrabromodiphenyl ether	0.3	U	ug/L
			2,6-dimethylnaphthalene	0.2	UJ	ug/L
			2-methylnaphthalene	0.2	UJ	ug/L
			3,4-dichlorophenyl isocyanate	1.6	U	ug/L
			3-beta-coprostanol	166	J	ug/L
			3-methyl-1h-indole (skatol)	4.06	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	0.2	U	ug/L
			4-cumylphenol	0.2	R	ug/L
			4-n-octylphenol	0.2	R	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	1.6	R	ug/L
			4-octylphenol diethoxylate (op2eo)	*4.45*		ug/L
			4-octylphenol monoethoxylate (op1eo)	0.733	J	ug/L
			4-tert-octylphenol	0.4	R	ug/L
			5-methyl-1h-benzotriazole	1.6	UJ	ug/L
			acetophenone	0.4	R	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahtn)	0.283	J	ug/L
			anthracene	0.2	UJ	ug/L
			anthraquinone	0.2	U	ug/L
			atrazine	0.2	U	ug/L
			benz[a]pyrene	0.2	UJ	ug/L
			benzophenone	0.486	J	ug/L
			beta-sitosterol	24.3	U	ug/L

	beta-stigmastanol	8.04	J	ug/L
	bis-(2-ethylhexyl) phthalate (dehp)	2.42	J	ug/L
	bisphenol a	0.4	R	ug/L
	bromacil	0.8	U	ug/L
	bromoform	0.2	U	ug/L
	caffeine	18.1		ug/L
	camphor	1.07	J	ug/L
	carbaryl	0.2	U	ug/L
	carbazole	0.2	U	ug/L
	chlorpyrifos	0.2	U	ug/L
	cholesterol	181.6	J	ug/L
	cotinine	0.8	U	ug/L
	diazinon	0.2	U	ug/L
	dichlorvos	0.2	U	ug/L
	diethoxynonylphenols- total (np2eo)	15.6	J	ug/L
	diethyl phthalate	1.83	J	ug/L
	d-limonene	7.74	J	ug/L
	fluoranthene	0.393	J	ug/L
	hexahydrohexamethyl cyclopentabenzopyran (hhcb)	3.2	J	ug/L
	indole	1.81	J	ug/L
	isoborneol	1.02	J	ug/L
	isophorone	0.2	U	ug/L
	isopropylbenzene (cumene)	0.2	U	ug/L
	isoquinoline	0.2	U	ug/L
	menthol	15.3	J	ug/L
	metalaxyl	0.2	U	ug/L
	methyl salicylate	1.28	J	ug/L
	metolachlor	0.2	U	ug/L
	n,n-diethyl-meta-toluamide (deet)	0.2	U	ug/L
	naphthalene	0.2	UJ	ug/L
	para-nonylphenol total	1.74	J	ug/L
	p-cresol	27.8	J	ug/L
	pentachlorophenol	0.8	R	ug/L
	phenanthrene	0.2	UJ	ug/L
	phenol	12.8	J	ug/L
	prometon	0.2	U	ug/L
	pyrene	0.242	J	ug/L
	tetrachloroethylene	0.4	U	ug/L
	tri(2-butoxyethyl) phosphate	2.06	J	ug/L
	tri(2-chloroethyl) phosphate	0.2	U	ug/L
	tri(dichloroisopropyl) phosphate	0.2	U	ug/L
	tributyl phosphate	0.2	U	ug/L
	triclosan	3.53	J	ug/L
	triethyl citrate (ethyl citrate)	0.724	J	ug/L
	triphenyl phosphate	0.2	U	ug/L
Hormones	17-a-estradiol	7.6	U	ng/L
	17-a-ethynyl-estradiol	6.4	U	ng/L
	17-b-estradiol	34.1		ng/L
	Estriol	640		ng/L
	Estrone	72.7		ng/L
Steroid / Hormones	11-Keto Testosterone	0.002	U	ug/L
	17a-Hydroxyprogesterone	0.002	U	ug/L
	17alpha-trenbolone	1.521		ug/L
	17beta-estradiol	0.002	U	ug/L
	17beta-trenbolone	0.439		ug/L
	4-Androstenedione	1.352		ug/L

Toppenish Wastewater Treatment Plant
Revised February 2012

	a-Estradiol	0.002	U	ug/L
	Androstanedienedione	14.1	J	ug/L
	Androsterone	3.187	J	ug/L
	a-Zearalanol	0.011	J	ug/L
	a-Zearalenol	0.002	UJ	ug/L
	b-Zearalanol	0.002	UJ	ug/L
	b-Zearalenol	8.015		ug/L
	Epitestosterone	0.002	U	ug/L
	Estriol	0.55		ug/L
	Estrone	0.002	UJ	ug/L
	Ethynyl Estradiol	0.002	U	ug/L
	Melengesterol Acetate	0.002	U	ug/L
	Progesterone	0.002	UJ	ug/L
	Testosterone	0.045		ug/L
Veterinary Pharmaceuticals	Chlortetracycline(total)	0.02	U	ug/L
	Erythromycin	0.02	U	ug/L
	Lincomycin	0.02	U	ug/L
	Monensin	0.02	U	ug/L
	Oxytetracycline	0.02	U	ug/L
	Ractopamine	0.02	U	ug/L
	Sulfachloropyridazine	0.02	U	ug/L
	Sulfadimethoxine	0.02	U	ug/L
	Sulfamerazine	0.02	U	ug/L
	Sulfamethazine	0.086		ug/L
	Sulfamethazole	0.02	U	ug/L
	Sulfamethoxazole	0.662		ug/L
	Sulfathiazole	0.02	U	ug/L
	Tetracyline	0.02	U	ug/L
	Tiamulin	0.02	U	ug/L
	Tylosin	0.02	U	ug/L
	Virginiamycin	0.02	U	ug/L
Wastewater Pharmaceuticals	Acetaminophen	83		ug/L
	Amphetamine	0.2	U	ug/L
	Azithromycin	0.2	U	ug/L
	Caffeine	46	**J**	ug/L
	Carbamazepine	0.2	U	ug/L
	Cotinine	2.2		ug/L
	DEET	0.88		ug/L
	Diphenhydramine	0.9		ug/L
	Ibuprofen	91	**J**	ug/L
	Methamphetamine	0.2	U	ug/L
	Naproxen	59		ug/L
	Paraxanthine	0.2	U	ug/L
	Thiabendazole	0.2	**UJ**	ug/L
	Triclosan	2.5	**J**	ug/L

Toppenish Wastewater Treatment Plant

Revised February 2012

Abbreviations

BAC32 - *Bacteroides*
ND - Analysis not done
NM - Not measured
PCR - Polymerase Chain Reaction
TNTC - Too numerous to count

Units

CFU/100 ml = colony forming unit per 100 milliliters
MPN/100 ml = most probable number per 100 milliliters
ng/L = nanograms per liter
ug/L = micrograms per liter
mg/L = milligrams per liter

Data Qualifiers

< = less than
J = The analyte was positively identified. The associated numerical value is an estimate.
JN = There is evidence that the analyte is present. The associated numerical result is an estimate.
N = There is evidence the analyte is present in this sample.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.