

# Mabton Wastewater Treatment Plant

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Station	Sample	Analysis	Analyte	Result	Qualifier	Units
Location	Number	Type				
SP-02	10154272	<i>Nitrogen</i>	Ammonia (NH3+NH4) as N	25.2		mg/L
			Nitrate+Nitrite as N	0.05	U	mg/L
			Total Kjeldahl Nitrogen	46.7		mg/L
		<i>Bacteria</i>	Fecal Coliform	9,200,000		per 100ml
			E. Coli	5,400,000	J	per 100ml
		<i>General Chemistry</i>	Alkalinity as CaCO3	307		mg/L
			Bromide	0.2	U	mg/L
			Chloride	42.8		mg/L
			Fluoride	0.784		mg/L
			Phosphorus, total	6.14		mg/L
			Sulfate	13.5		mg/L
		<i>Metals</i>	Arsenic	45	U	ug/L
			Barium	65.3		ug/L
			Cadmium	3	U	ug/L
			Calcium	36500		ug/L
			Chromium	10	U	ug/L
			Copper	51.5		ug/L
			Iron	1300		ug/L
			Lead	25	U	ug/L
			Magnesium	11200		ug/L
			Manganese	75.6		ug/L
			Mercury	1.21	J	ug/L
			Potassium	20800		ug/L
			Selenium	50	U	ug/L
			Silver	10	U	ug/L
			Sodium	72300		ug/L
			Zinc	193		ug/L
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	2.18	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	75.9	J	ug/L
			3-methyl-1h-indole (skatol)	2.97	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	0.2	UJ	ug/L
			4-cumylphenol	0.2	R	ug/L
			4-n-octylphenol	0.489	R	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	2.86	R	ug/L
			4-octylphenol diethoxylate (op2eo)	7.9	U	ug/L
			4-octylphenol monoethoxylate (op1eo)	1	R	ug/L
			4-tert-octylphenol	0.335	J	ug/L
			5-methyl-1h-benzotriazole	1.6	UJ	ug/L
			acetophenone	0.239	J	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahnt)	5.25	U	ug/L
			anthracene	0.2	UJ	ug/L
			anthraquinone	9.98	U	ug/L
			atrazine	0.2	U	ug/L
			benz[a]pyrene	0.2	UJ	ug/L
			benzophenone	0.408	J	ug/L
			beta-sitosterol	19	J	ug/L
			beta-stigmastanol	19.9	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	3.95	J	ug/L
			bisphenol a	0.4	R	ug/L

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bromacil	2.34 U	ug/L
bromoform	0.2 U	ug/L
caffeine	8.59	ug/L
camphor	0.398 J	ug/L
carbaryl	0.2 U	ug/L
carbazole	0.2 U	ug/L
chlorpyrifos	0.2 U	ug/L
cholesterol	118 J	ug/L
cotinine	0.8 UJ	ug/L
diazinon	0.2 U	ug/L
dichlorvos	0.2 U	ug/L
diethoxynonylphenols- total (np2eo)	11.2 J	ug/L
diethyl phthalate	4.03 J	ug/L
d-limonene	2.3 J	ug/L
fluoranthene	0.2 UJ	ug/L
hexahydrohexamethyl cyclopentabenzopyran (hhcb)	5.95 J	ug/L
indole	18.1 J	ug/L
isoborneol	0.395 J	ug/L
isophorone	0.2 U	ug/L
isopropylbenzene (cumene)	0.2 U	ug/L
isoquinoline	3.9 U	ug/L
menthol	8.6 J	ug/L
metalaxyl	0.2 U	ug/L
methyl salicylate	0.306 J	ug/L
metolachlor	0.374 U	ug/L
n,n-diethyl-meta-toluamide (deet)	0.476 U	ug/L
naphthalene	0.2 UJ	ug/L
para-nonylphenol total	2.79 U	ug/L
p-cresol	11.4 J	ug/L
pentachlorophenol	1.6 R	ug/L
phenanthrene	0.2 UJ	ug/L
phenol	6.84 R	ug/L
prometon	0.2 U	ug/L
pyrene	0.2 UJ	ug/L
tetrachloroethylene	0.4 U	ug/L
tri(2-butoxyethyl) phosphate	0.2 U	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	1.62 J	ug/L
triethyl citrate (ethyl citrate)	0.351 J	ug/L
triphenyl phosphate	0.2 U	ug/L
<i>Hormones</i> 17-a-estradiol	7.6 U	ng/L
17-a-ethynyl-estradiol	6.4 U	ng/L
17-b-estradiol	35.4	ng/L
Estriol	863	ng/L
Estrone	96.4	ng/L
<i>Steroid / Hormones</i> 11-Keto Testosterone	0.043	ug/L
17a-Hydroxyprogesterone	0.002 U	ug/L
17alpha-trenbolone	1.014	ug/L
17beta-estradiol	0.002 U	ug/L
17beta-trenbolone	1.059	ug/L
4-Androstenedione	0.269	ug/L
a-Estradiol	0.002 U	ug/L
Androstenedienedione	0.614 J	ug/L
Androsterone	2.137 J	ug/L
a-Zearalanol	0.22 J	ug/L
a-Zearalenol	0.002 UJ	ug/L

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	b-Zearalanol	0.002 UJ	ug/L
	b-Zearalenol	0.002 U	ug/L
	Epitestosterone	0.06	ug/L
	Estriol	0.002 U	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	0.059	ug/L
<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02 UJ	ug/L
	Erythromycin	0.02 R	ug/L
	Lincomycin	0.02 R	ug/L
	Monensin	0.02 R	ug/L
	Oxytetracycline	0.02 UJ	ug/L
	Ractopamine	0.02 R	ug/L
	Sulfachloropyridazine	0.02 R	ug/L
	Sulfadimethoxine	0.02 R	ug/L
	Sulfamerazine	0.02 R	ug/L
	Sulfamethazine	0.02 R	ug/L
	Sulfamethazole	0.02 R	ug/L
	Sulfamethoxazole	0.106 J	ug/L
	Sulfathiazole	0.02 R	ug/L
	Tetracycline	0.02 UJ	ug/L
	Tiamulin	0.02 R	ug/L
	Tylosin	0.02 R	ug/L
	Virginiamycin	0.02 R	ug/L
<i>Wastewater Pharmaceuticals</i>	Acetaminophen	17	ug/L
	Amphetamine	0.2 U	ug/L
	Azithromycin	0.2 U	ug/L
	Caffeine	42 <b>J</b>	ug/L
	Carbamazepine	0.2 U	ug/L
	Cotinine	0.59	ug/L
	DEET	1.6	ug/L
	Diphenhydramine	0.2 U	ug/L
	Ibuprofen	110 <b>J</b>	ug/L
	Methamphetamine	0.2 U	ug/L
	Naproxen	13	ug/L
	Paraxanthine	0.2 U	ug/L
	Thiabendazole	0.2 <b>UJ</b>	ug/L
	Triclosan	1.5 <b>J</b>	ug/L

### Abbreviations

ND - Analysis not done

NM - Not measured

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.

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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.