

Contaminant by method/analytical scan	Minimum Reporting Limit (ng/l)	Otisco Lake Raw Water Results (ng/l)	Otisco Lake Treated Water Results (ng/l)	Lake Ontario Treated Water Results (ng/l)	Likely source and/or Typical Use
LC-MS-MS Endocrine Disruptors Positive Mode					
Acetaminophen	1	ND	ND	ND	Found in body fluids after tobacco use
Caffeine	3	ND	ND	ND	
Cotinine	1	4.8	1.1	1.2	
Diazepam	1	ND	ND	ND	
Fluoxetine	5	ND	ND	ND	
Sulfamethoxazole	1	ND	ND	ND	
Trimethoprim	1	ND	ND	ND	
LC-MS-MS Endocrine Disruptors Negative Mode					
Bis Phenol A (BPA)	10	ND	27	60	Used to make plastics
Butalbital	5	ND	ND	ND	Non steroidal anti inflammatory drug
Gemfibrozil	1	ND	ND	ND	
Ibuprofen	1	1	2	ND	
Iopromide	5	ND	ND	ND	Used as fabric protector and in cleaning products Used in anti bacterial soaps, deodorants, toothpastes
Perfluoro octanesulfonate-PFOS	0.2	ND	ND	1.5	
Triclosan	5	ND	5.5	ND	
LC-MS-MS Endocrine Disruptors APCI Mode					
Carbamazepine	5	ND	ND	ND	
Estradiol	1	ND	ND	ND	
Estrone	1	ND	ND	ND	
Ethinyl Estradiol -17 alpha	5	ND	ND	ND	
Progesterone	1	ND	ND	ND	
Testosterone	1	ND	ND	ND	
LC-MS-MS Endocrine Disruptors Positive Mode					
1,7-Dimethylxanthine	5	ND	6.3	9.7	Metabolite of Caffeine
Acetaminophen	5	ND	ND	16	OTC analgesic
Albuterol	5	ND	ND	ND	Herbicide
Androstenedione	5	ND	ND	ND	
Atenolol	5	ND	ND	ND	
Atrazine	5	53	23	15	Found in coffee, tea, soft drinks
Bezafibrate	5	ND	ND	ND	
Bromacil	5	ND	ND	ND	Herbicide metabolite Corrosion inhibitor
Caffeine	5	ND	11	64	
Carbadox	5	ND	ND	ND	
Carbamazepine	5	ND	ND	ND	
Carisoprodol	5	ND	ND	ND	
Chloridazon	5	ND	ND	ND	
Chlorotoluron	5	ND	ND	ND	
Cimetidine	5	ND	ND	ND	
Cotinine	10	ND	ND	ND	
Cyanazine	5	ND	ND	ND	
DACT	5	10	9.6	12	Herbicide metabolite Corrosion inhibitor
DEA	5	23	16	23	
DEET	2	ND	ND	ND	Herbicide metabolite
Dehydronifedipine	5	ND	ND	ND	
DIA	5	6	ND	7	
Diazepam	5	ND	ND	ND	
Dilantin	20	ND	ND	ND	
Diuron	5	ND	ND	ND	
Flumequine	5	ND	ND	ND	
Ketoprofen	10	ND	ND	ND	
Ketotolac	5	ND	ND	ND	
Lidocaine	5	ND	ND	ND	
Lincomycin	5	ND	ND	ND	
Linuron	20	ND	ND	ND	
Lopressor	5	ND	ND	ND	
Meclofenamic Acid	20	ND	ND	ND	
Meprobamate	5	ND	ND	ND	
Metazachlor	5	ND	ND	ND	
Nifedipine	5	ND	ND	ND	
Norethisterone	20	ND	ND	ND	
Oxolinic Acid	5	ND	ND	ND	
Pentoxifylline	5	ND	ND	ND	
Primidone	5	ND	ND	ND	
Progesterone	5	ND	ND	ND	
Propazine	5	ND	ND	ND	
Simazine	5	ND	ND	ND	
Sulfachloropyridazine	5	ND	ND	ND	
Sulfadiazine	5	ND	ND	ND	
Sulfadimethoxine	5	ND	ND	ND	
Sulfamerazine	5	ND	ND	ND	
Sulfamethazine	5	ND	ND	ND	
Sulfamethoxazole	5	ND	ND	ND	
Sulfathiazole	5	ND	ND	ND	
TCEP	10	ND	ND	ND	Alkaloid found in Cocoa and Chocolate Drug used for asthma and COPD treatment
Theobromine	5	18	33	14	
Theophylline	5	ND	9.6	ND	
Trimethoprim	5	ND	ND	ND	

Contaminant by method/analytical scan	Minimum Reporting Limit (ng/l)	Otisco Lake Raw Water Results (ng/l)	Otisco Lake Treated Water Results (ng/l)	Lake Ontario Treated Water Results (ng/l)	Likely source and/or Typical Use
LC-MS-MS Endocrine Disruptors Negative Mode					
Bendroflumethiazide	5	ND	ND	ND	Non steroidal anti inflammatory drug
BPA	10	ND	ND	ND	
Butalbital	5	ND	ND	ND	
Butylparaben	5	ND	ND	ND	
Chloramphenicol	5	ND	ND	ND	
Diclofenac	5	8.1	ND	ND	
Dilantin	20	ND	ND	ND	
Ethylparaben	20	ND	ND	ND	
Furosimide	10	ND	ND	ND	
Gemfibrozil	5	ND	ND	ND	
Iohexal	10	ND	ND	ND	
Iopromide	5	ND	ND	ND	
Isobutylparaben	5	ND	ND	ND	
Linuron	20	ND	ND	ND	
Methylparaben	20	ND	ND	ND	
Naproxen	10	ND	ND	ND	
Propylparaben	5	ND	ND	ND	
Sucralose	100	ND	ND	ND	
Triclosan	10	ND	ND	ND	
Warfarin	5	ND	ND	ND	
USGS4MOD - EDC- Phenols-waste parm screen					
2,6-di-tert-butylphenol	25	ND	ND	ND	Flame retardant resin
4-Methylphenol	25	ND	ND	ND	
4-Nonyl Phenol	25	ND	ND	ND	
Alpha Chlordane	25	ND	ND	ND	
Bis Phenol A (BPA)	25	ND	ND	ND	
Caffeine by GCMS LLE	25	ND	ND	ND	
Carbaryl	50	ND	ND	ND	
Chlorpyrifos	25	ND	ND	ND	
DEET	25	ND	ND	ND	
Diazinon	25	ND	ND	ND	
Dieldrin	25	ND	ND	ND	
Methyl Parathion	25	ND	ND	ND	
Phenol	50	ND	ND	ND	
TDCPP	50	50	ND	ND	
Triclosan	50	ND	ND	ND	
Triphenylphosphate	25	ND	ND	ND	
Tris (2-butoxyethyl) phosphate	200	220	ND	ND	
Tris (2-chloroethyl) phosphate	50	ND	ND	ND	