

Table 10. Chemicals analyzed in the wastewater compound schedule (Zaugg and others, 2002).

[USGS, U.S. Geological Survey]

Chemical	Use or source	USGS parameter code	Chemical Abstract Service (CAS) Registry Number ¹	Laboratory reporting level (micrograms per liter)
Acetophenone	Fragrance/flavor	62064	98-86-2	0.1
Acetyl hexamethyl tetrahydronaphthalene (AHTN)	Fragrance/flavor	62065	21145-77-7	0.5
Anthracene	Wood preservative, component of tar, diesel or crude oil	34221	120-12-7	0.08
9,10-Anthraquinone	Manufacturing dye and textiles, seed treatment, bird repellent	62066	84-65-1	0.16
Benzo[a]pyrene	Hydrocarbon, used in cancer research, combustion product	34248	50-32-8	0.12
Benzophenone	Fixative for perfumes and soap	62067	119-61-9	0.18
Bisphenol A	Manufacturing polycarbonate resins, antioxidant, flame retardant	62069	80-05-7	0.4
Bromacil	General use herbicide	4029	314-40-9	0.4
Bromoform	Wastewater ozonation byproduct, military/explosives	34288	75-25-2	0.08
3- <i>tert</i> -Butyl-4-hydroxy anisole (BHA)	Antioxidant, general preservative	62059	25013-16-5	0.6
Caffeine	Beverages, diuretic, very mobile and biodegradable	50305	58-08-2	0.2
Camphor	Flavor, odorant, ointments	62070	76-22-2	0.1
Carbaryl	Insecticide, crop and garden uses	82680	63-25-2	1
Carbazole	Insecticide, manufacturing dyes, explosives, and lubricants	62071	86-74-8	0.08
Chlorpyrifos	Insecticide, domestic pest and termite control	38933	2921-88-2	0.2
Cholesterol	Often a fecal indicator, also a plant sterol	62072	57-88-5	1.4
3- <i>beta</i> -Coprostanol	Carnivore fecal indicator	62057	360-68-9	1.6
Cotinine	Nicotine metabolite	62005	486-56-6	0.4
<i>p</i> -Cresol	Wood preservative	62084	106-44-5	0.18
4-Cumylphenol	Nonionic detergent metabolite	62060	599-64-4	0.14
Diazinon	Insecticide, ants, flies	39572	333-41-5	0.16
1,4-Dichlorobenzene	Moth repellent, fumigant, deodorant	34572	106-46-7	0.08
N,N-diethyl- <i>meta</i> -toluamide (DEET)	Insecticide	62082	134-62-3	0.2
2,6-Dimethylnaphthalene	Present in diesel and kerosene	62055	581-42-0	0.2
Fluoranthene	Component of coal tar and asphalt	34377	206-44-0	0.08
Hexahydrohexamethylcyclopentabenzopyran (HHCB)	Musk fragrance (widespread usage)	62075	1222-05-5	0.5
Indole	Pesticide inert ingredient, fragrance in coffee	62076	120-72-9	0.14
Isoborneol	Fragrance in perfume, in disinfectants	62077	124-76-5	0.06
Isophorone	Solvent for lacquer, plastic, oil, silicon, resin	34409	78-59-1	0.14
Isopropylbenzene	Manufacturing phenol and acetone, fuels and paint thinner	62078	98-82-8	0.1
Isoquinoline	Flavors and fragrance	62079	119-65-3	0.4
<i>d</i> -Limonene	Fungicide, antimicrobial, antiviral, fragrance in aerosols	62073	5989-27-5	0.14
Menthol	Cigarettes, cough drops, liniment, mouth wash	62080	89-78-1	0.2
Metalaxyl	Herbicide, fungicide (general use pesticide), mildew, blight, pathogens, golf, and turf	50359	57837-19-1	0.2
5-Methyl-1H-benzotriazole	Antioxidant in antifreeze	62063	136-85-6	1.8
Methyl salicylate	Liniment, food, beverage, ultra-violet absorbing lotion	62081	119-36-8	0.18
3-Methyl-1(H)-indole (Skatole)	Fragrance, stench in feces, coal tar	62058	83-34-1	0.08
Metolachlor	Herbicide	39415	51218-45-2	0.16
1-Methylnaphthalene	2-5 percent of gasoline, diesel fuel, or crude oil	62054	90-12-0	0.1
2-Methylnaphthalene	2-5 percent of gasoline, diesel fuel, or crude oil	62056	91-57-6	0.08
Naphthalene	Fumigant, moth repellent	34443	91-20-3	0.1
4-Nonylphenol diethoxylates	Nonionic detergent metabolite	62083		5
<i>para</i> -Nonylphenol (total)	Nonionic detergent metabolite	62085	84852-15-3	1.8
4- <i>n</i> -Octylphenol	Nonionic detergent metabolite	62061	1806-26-4	0.16
4-Octylphenol diethoxylates	Nonionic detergent metabolite	61705		1
4-Octylphenol monoethoxylates	Nonionic detergent metabolite	61706		1
4- <i>tert</i> -Octylphenol	Nonionic detergent metabolite	62062	140-66-9	0.1
Pentachlorophenol	Herbicide, fungicide, wood preservative, termite control	34459	87-86-5	2
Phenanthrene	Manufacturing explosives, component of tar, diesel fuel, or crude oil, combustion product	34462	85-01-8	0.08
Phenol	Disinfectant, manufacturing of several products	34466	108-95-2	0.4
Prometon	Non-selective herbicide	4037	1610-18-0	0.4
Pyrene	Component of tar and asphalt	34470	129-00-0	0.08
<i>beta</i> -Sitosterol	Plant sterol	62068	83-46-5	2
<i>beta</i> -Stigmastanol	Plant sterol	62086	19466-47-8	2
Tetrachloroethene (perchloroethene; PCE)	Solvent, degreaser, veterinary anthelmintic	34476	127-18-4	0.18
Tributyl phosphate	Antifoaming agent, flame retardant	62089	126-73-8	0.2
Triclosan	Disinfectant, antimicrobial	62090	3380-34-5	0.2
Triethyl citrate (ethyl citrate)	Cosmetics, pharmaceuticals	62091	77-93-0	0.4
Triphenyl phosphate	Plasticizer, resin, wax	62092	115-86-6	0.16
Tris(2-butoxyethyl)phosphate	Fire retardant	62093	78-51-3	0.5
Tris(2-chloroethyl)phosphate	Plasticizer, resin, wax	62087	115-96-8	0.18

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