

Table A5. Reporting limits and possible uses or sources of wastewater compounds analyzed in filtered water, Columbia River Estuary, 2004  
 [Analytes shown in bold type and shaded were detected in this study; CAS, Chemical Abstract Service; reporting limits listed in micrograms per liter; EDP, endocrine-disrupting potential; S, suspected; K, known; --, no data; PAH, polycyclicaromatic hydrocarbon; CP, combustion product; NA, not available]

Analyte	Parameter		Reporting		Possible compound uses or sources (from Zaugg and others, 2002)
	code	CAS number	limit	EDP	
Acetophenone	62064	98-86-2	0.5	--	Fragrance in detergent and tobacco, flavor in beverages
<b>Acetyl-hexamethyl-tetrahydronaphthalene (AHTN)</b>	62065	21145-77-7	0.5	--	Musk fragrance (widespread usage) persistent in ground water
Anthracene	34221	120-12-7	0.5	--	Wood preservative, component of tar, diesel, or crude oil, combustion product
<b>Anthraquinone</b>	62066	84-65-1	0.5	--	Manufacturing of dye/textures, seed treatment, bird repellent
Benzo(a) pyrene	34248	50-32-8	0.5	K	Regulated PAH, used in cancer research, combustion product
Benzophenone	62067	119-61-9	0.5	S	Fixative for perfumes and soaps
<b>Bisphenol A</b>	62069	80-05-7	1	K	Manufacturing of polycarbonate resins, antioxidant, flame retardant
Bromoform	34288	75-25-2	0.5	--	Wastewater ozonation byproduct, military/explosives
3- <i>tert</i> -Butyl-4-hydroxyanisole (BHA)	62059	25013-16-5	5	K	Antioxidant, general preservative
Camphor	62070	76-22-2	0.5	--	Flavor, odorant, ointments
Carbazole	62071	86-74-8	0.5	--	Insecticide, manufacturing of dyes, explosives, and lubricants
Cholesterol	62072	57-88-5	2	--	Often a fecal indicator, also a plant sterol
3- <i>beta</i> -Coprostanol	62057	360-68-9	2	--	Carnivore fecal indicator
Cotinine	62005	486-56-6	1	--	Primary nicotine metabolite
<i>para</i> -Cresol	62084	106-44-5	1	S	Wood preservative
4-Cumylphenol	62060	599-64-4	1	K	Nonionic detergent metabolite
1,4-Dichlorobenzene	34572	106-46-7	0.5	S	Moth repellent, fumigant, deodorant
2,6-Dimethylnaphthalene	62055	581-42-0	0.5	--	Present in diesel/kerosene (trace in gasoline)
Fluoranthene	34377	206-44-0	0.5	--	Component of coal tar and asphalt (only traces in gasoline or diesel fuel), CP
Hexahydrohexamethylcyclopentabenzopyran (HHCb)	62075	1222-05-5	0.5	--	Musk fragrance (widespread usage) persistent in ground water
Indole	62076	120-72-9	0.5	--	Pesticide inert ingredient, fragrance in coffee
Isoborneol	62077	124-76-5	0.5	--	Fragrance in perfumery, in disinfectants
Isophorone	34409	78-59-1	0.5	--	Solvent for lacquer, plastic, oil, silicon, resin
Isopropylbenzene (cumene)	62078	98-82-8	0.5	--	Manufacturing of phenol/acetone, fuels and paint thinner
Isoquinoline	62079	119-65-3	0.5	--	Flavors and fragrances
<i>d</i> -Limonene	62073	5989-27-5	0.5	--	Fungicide, antimicrobial, antiviral, fragrance in aerosols
Menthol	62080	89-78-1	0.5	--	Cigarettes, cough drops, liniment, mouthwash
5-Methyl-1H-benzotriazole	62063	136-85-6	2	--	Antioxidant in antifreeze and deicers
3-Methyl-1H-indole (skatol)	62058	83-34-1	1	--	Fragrance, stench in feces and coal tar
Methyl salicylate	62081	119-36-8	0.5	--	Liniment, food, beverage, ultraviolet-absorbing lotion
<b>1-Methylnaphthalene</b>	62054	90-12-0	0.5	--	2-5% of gasoline, diesel fuel, or crude oil
<b>2-Methylnaphthalene</b>	62056	91-57-6	0.5	--	2-5% of gasoline, diesel fuel, or crude oil
<b>N,N-diethyl-meta-toluamide (Deet)</b>	62082	134-62-3	0.5	--	Insecticide, urban uses, mosquito repellent
<b>Naphthalene</b>	34443	91-20-3	0.5	--	Fumigant, moth repellent, major component (about 10%) of gasoline
<i>para</i> -Nonylphenol (total)	62085	84852-15-3	5	K	Nonionic detergent metabolite

Nonylphenol, diethoxy- (total, NPEO2)	62083	NA	5	K	Nonionic detergent metabolite
4- <i>n</i> -Octylphenol	62061	1806-26-4	1	K	Nonionic detergent metabolite
4- <i>tert</i> -Octylphenol	62062	140-66-9	1	K	Nonionic detergent metabolite
Octylphenol, diethoxy- (OPEO2)	61705	NA	1	K	Nonionic detergent metabolite
Octylphenol, monoethoxy- (OPEO1)	61706	NA	1	K	Nonionic detergent metabolite
Pentachlorophenol	34459	87-86-5	2	S	Herbicide, fungicide, wood preservative, termite control
Phenanthrene	34462	85-01-8	0.5	--	Manufacturing of explosives, component of tar, diesel fuel, or crude oil, CP
Phenol	34466	108-95-2	0.5	--	Disinfectant, manufacturing of several products, leachate
Pyrene	34470	129-00-0	0.5	--	Component of coal tar and asphalt (only traces in gasoline or diesel fuel), CP
<i>beta</i> -Sitosterol	62068	83-46-5	2	--	Plant sterol
<i>beta</i> -Stigmastanol	62086	19466-47-8	2	--	Plant sterol
Tetrachloroethylene	34476	127-18-4	0.5	--	Solvent, degreaser, veterinary anthelmintic
Tri(2-butoxyethyl)phosphate	62093	78-51-3	0.5	--	Flame retardant
<b>Tri(2-chloroethyl)phosphate</b>	62087	115-96-8	0.5	S	Plasticizer, flame retardant
Tri(dichlorisopropyl)phosphate	62088	13674-87-8	0.5	S	Flame retardant
Tributyl phosphate	62089	126-73-8	0.5	--	Antifoaming agent, flame retardant
Triclosan	62090	3380-34-5	1	S	Disinfectant, antimicrobial (concern for acquired microbial resistance)
Triethyl citrate (ethyl citrate)	62091	77-93-0	0.5	--	Cosmetics, pharmaceuticals
Triphenyl phosphate	62092	115-86-6	0.5	--	Plasticizer, resin, wax, finish, roofing paper, flame retardant

