

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Acenaphthene	83–32–9	1	1	F, I
Acenaphthylene	208–96–8	1	1	F, I
Acephate	30560–19–1	1	3	B1, B2
Acetaldehyde	75–07–0	1	--	<u>G</u> , I
2-[[5-Acetamido-4-[(2,4-dinitrophenyl)azo]-2-methoxyphenyl]benzylamino]ethyl acetate	16421–41–3	--	1	F
Acetamide	60–35–5	1	--	I
2-[[5-Acetamide-4-[(2-chloro-4,6-dinitrophenyl)azo]-2-methoxyphenyl]benzylamino]ethyl acetate	16421–40–2	--	1	F
Acetaminophen	103–90–2	1	3	C
Acetochlor	34256–82–1	1	2	B1, B2
Acetochlor / Metolachlor ethanesulfonic acid, secondary amide	Not available	1	3	B1, B2
Acetochlor ethane sulfonic acid {Acetochlor ESA}	187022–11–3	1	3	B1, B2
Acetochlor oxanilic acid {Acetochlor OA}	184992–44–4	1	3	B1, B2
Acetochlor sulfynilacetic acid	Not available	1	3	B1, B2
Acetonitrile	75–05–8	1	--	H
Acetophenone	98–86–2	1	3	F, I
Acetyl hexamethyl tetrahydronaphthalene {AHTN}	21145–77–7	1	1	F, I
5-Acetyl-3-isopropyl-1,1,2,6-tetramethylindane {Traseolide}	68140–48–7	--	1	F
Acridine	260–94–6	1	1	F, I
Acrolein	107–02–8	1	--	I
Alachlor	15972–60–8	1	1	B1, B2
Alachlor ethane sulfonic acid {Alachlor ESA}	142363–53–9	1	3	B1, B2
Alachlor ethanesulfonic acid, secondary amide	Not available	1	1	B1, B2
Alachlor oxanilic acid {Alachlor OA}	171262–17–2	1	3	B1, B2
Alachlor sulfynilacetic acid	140939–16–8	1	1	B1, B2
Albuterol {Salbutamol}	18559–94–9	1	3	C
Aldicarb	116–06–3	1	3	B1, B2
Aldicarb sulfone	1646–88–4	1	3	B1, B2
Aldicarb sulfoxide	1646–87–3	1	3	B1, B2
Aldrin	309–00–2	3	1	B1, B2
C18-22- <i>tert</i> -Alkyl (chloromethyl)phosphonate (2:1) amines	79357–73–6	--	1	F
C18-22- <i>tert</i> -Alkyl ethoxylated amines	68443–10–7	--	1	F
C12- and C18-30-Alkylphenol, calcium salts, sulfurized, overbased	73758–62–0	--	1	F
Allethrin	584–79–2	--	1	B2
Alprazolam	28981–97–7	1	3	C
Aluminum	7429–90–5	1	--	D1
Ametryn	834–12–8	1	3	B1, B2

## 22 Prioritization of Constituents for National- and Regional-Scale Ambient Monitoring of Water and Sediment

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
2-[[2-Amino-6-[[4'-(3-carboxy-4-hydroxyphenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo]-5-hydroxy-7-sulfo-1-naphthalenyl]azo]-5-nitrobenzoic acid	25255-00-9	--	1	F
1-Amino-2,4-dibromoanthraquinone	81-49-2	--	1	F
4-Amino-5-hydroxy-3,6-bis[2-[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]diazenyl]-2,7-naphthalenedisulfonic acid	55909-92-7	--	1	F
2-Amino- <i>N</i> -isopropylbenzamide	30391-89-0	1	3	B1, B2
1-Amino-2-methylantraquinone	82-28-0	--	1	F
Aminomethylphosphonic acid	1066-51-9	1	1	B1, B2
Amiodarone / Amiodarone hydrochloride	1951-25-3 / 199774-82-4	3	1	C
Amitriptyline / Amitriptyline hydrochloride	50-48-6 / 549-18-8	1	1	C
Ammonium perfluorooctane sulfonate	29081-56-9	--	1	F
Amoxicillin / Amoxicillin trihydrate	26787-78-0 / 81030-75-3	1	3	C
Amphetamine	300-62-9	1	3	C
Anatoxin-a {ANTa}	64285-06-9	1	--	E
<i>cis</i> -Androsterone	53-41-8	1	3	C
Anthanthrene {Dibenzo[ <i>def,mno</i> ]chrysene}	191-26-4	--	1	F
Anthracene	120-12-7	1	1	F, I
Anthraquinone	84-65-1	1	1	F, I
Antimony	7440-36-0	1	--	D1
Aroclor 1254	11097-69-1	--	1	F
Aroclor 1260	11096-82-5	--	1	F
Aroclor 5442 {Polychlorinated triphenyl}	12642-23-8	--	1	F
Aroclors 1016 / 1242	12674-11-2 / 53469-21-9	--	1	F
Arsenic	7440-38-2	1	2	D1, D2
Asulam	3337-71-1	1	3	B1, B2
Atenolol	29122-68-7	1	3	C
Atorvastatin	134523-00-5	2	1	C
Atrazine	1912-24-9	1	1	B1, B2
Azinphos-methyl	86-50-0	1	3	B1, B2
Azinphos-methyl oxon	961-22-8	1	3	B1, B2
Azithromycin	83905-01-5	1	1	C
Azobenzene	103-33-3	3	1	F, I
Azoxystrobin	131860-33-8	1	3	B1, B2
Barium	7440-39-3	1	--	D1
BDE 28 {2,4,4'-Tribromodiphenyl ether}	41318-75-6	--	1	F

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
BDE 47 {2,2',4,4'-Tetrabromodiphenyl ether}	5436-43-1	--	1	F
BDE 66 {2,3',4,4'-Tetrabromodiphenyl ether}	189084-61-5	--	1	F
BDE 85 {2,2',3,4,4'-Pentabromodiphenyl ether}	182346-21-0	--	1	F
BDE 99 {2,2',4,4',5-Pentabromodiphenyl ether}	60348-60-9	--	1	F
BDE 100 {2,2',4,4',6-Pentabromodiphenyl ether}	189084-64-8	--	1	F
BDE 119 {2,3',4,4',6-Pentabromodiphenyl ether}	189084-66-0	--	1	F
BDE 153 {2,2',4,4',5,5'-Hexabromodiphenyl ether}	68631-49-2	--	1	F
BDE 154 {2,2',4,4',5,6'-Hexabromodiphenyl ether}	207122-15-4	--	1	F
BDE 183 {2,2',3,4,4',5',6-Heptabromodiphenyl ether}	207122-16-5	--	1	F
BDE 209 {2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether}	1163-19-5	3	1	F, H
Benfluralin	1861-40-1	1	1	B1, B2
Benomyl	17804-35-2	1	1	B1, B2
Bensulide	741-58-2	2	1	B1, B2
Bentazon	25057-89-0	1	3	B1, B2
11 <i>H</i> -Benz[ <i>b,c</i> ]aceanthrylene	202-94-8	--	1	F
Benz[ <i>e</i> ]aceanthrylene	199-54-2	--	1	F
Benz[ <i>j</i> ]aceanthrylene	202-33-5	--	1	F
Benz[ <i>l</i> ]aceanthrylene	211-91-6	--	1	F
Benz[ <i>a</i> ]anthracene	56-55-3	1	1	F, I
Benzenamine	62-53-3	1	--	H
Benzene	71-43-2	1	--	A
Benzo[ <i>c</i> ]cinnoline	230-17-1	3	1	F, I
Benzo[ <i>b</i> ]fluoranthene	205-99-2	1	1	F, I
Benzo[ <i>ghi</i> ]fluoranthene	203-12-3	--	1	F
Benzo[ <i>j</i> ]fluoranthene	205-82-3	1	1	F, I
Benzo[ <i>k</i> ]fluoranthene	207-08-9	1	1	F, I
Benzo[ <i>c</i> ]fluorene	205-12-9	--	1	F
Benzo[ <i>ghi</i> ]perylene	191-24-2	1	1	F, I
Benzophenone	119-61-9	1	1	F, I
Benzo[ <i>a</i> ]pyrene	50-32-8	1	1	F, I
Benzo[ <i>e</i> ]pyrene	192-97-2	1	1	F, I
Benzotriazole	95-14-7	1	--	I
2-(2 <i>H</i> -Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol	25973-55-1	--	1	F
Benztropine {Benzatropine}	86-13-5	1	1	C
Benzyladenine	1214-39-7	3	1	B1, B2
Benzyl alcohol	100-51-6	1	--	H
Benzyltriphenylphosphonium {BTP}	15853-35-7	--	1	F

## 24 Prioritization of Constituents for National- and Regional-Scale Ambient Monitoring of Water and Sediment

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Beryllium	7440-41-7	1	--	D1
Bifenazate	149877-41-8	1	3	B1, B2
Bifenthrin	82657-04-3	1	1	B1, B2
1,1'-Biphenyl-2-ol	90-43-7	1	--	H
2,2'-Biquinoline	119-91-5	1	1	F, I
Bis( <i>tert</i> -butyldioxyisopropyl)benzene	25155-25-3	--	1	F
1,1-Bis( <i>tert</i> -butylperoxy)-3,3,5-trimethylcyclohexane	6731-36-8	--	1	F
Bis(2-chloroethoxy)methane	111-91-1	3	1	F, I
Bis(2,4-Dichloro-5-nitrophenyl) carbonate	39489-75-3	--	1	F
2,6-Bis(1,1-dimethylethyl)-4-(1-methylpropyl)phenol	17540-75-9	--	1	F
Bis(2-ethylhexyl) phthalate {DEHP}	117-81-7	--	1	F
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	--	1	F
Bis(2-hydroxybenzoato- <i>O</i> 1, <i>O</i> 2)magnesium ar,ar'-di(C>13)alkyl derivatives	84929-98-6	--	1	F
Bis[3-(hydroxy- $\kappa$ O)-4-[[2-(hydroxy- $\kappa$ O)-1-naphthalenyl]azo- $\kappa$ N1]-7-nitro-1-naphthalenesulfonato(-3-)] chromate (3-) {Anion of Acid Black 172 / 57693-14-8}	139460-45-0	--	1	F
2,2-Bis(4-hydroxyphenyl)hexafluoropropane {Bisphenol AF}	1478-61-1	--	1	F
1,2-Bis(pentabromophenyl) ethane	84852-53-9	--	1	F
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	41556-26-7	--	1	F
Bisphenol A	80-05-7	1	1	F, I
1,2-Bis(2,4,6-tribromophenoxy)ethane {Firemaster 680}	37853-59-1	--	1	F
Boron	7440-42-8	1	--	D1
Bromacil	314-40-9	1	3	B1, B2
Bromate	15541-45-4	1	--	<u>D1</u> , G
Bromate salts / Potassium bromate	15541-45-4 / 7758-01-2	1	--	I
Bromobenzylbromotoluene (mixed isomers)	99688-47-8	--	1	F
Bromodichloromethane	75-27-4	1	--	<u>A</u> , G
Bromomethane	74-83-9	1	3	A, B1, B2
Bromopentafluorobenzene	344-04-7	--	1	F
4-Bromophenylphenylether	101-55-3	2	1	F, I
Bromoxynil	1689-84-5	1	3	B1, B2
Bromuconazole	116255-48-2	--	1	B2
Buprofezin	69327-76-0	3	1	B1, B2
Bupropion / Bupropion hydrochloride	34841-39-9 / 34911-55-2	1	1	C
1,3-Butadiene	106-99-0	1	--	I
Butanal	123-72-8	1	--	G
Butane	106-97-8	1	--	H

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
1-Butanol	71–36–3	1	--	I
<i>tert</i> -Butanol { <i>tert</i> -Butyl alcohol}	75–65–0	1	--	A
2-(2-Butoxyethoxy)ethanol	112–34–5	1	--	H
Butralin	33629–47–9	1	1	B1, B2
Butylated triphenyl phosphate	220352–35–2	--	1	F
Butylbenzyl phthalate {BBP}	85–68–7	1	1	F, I
1-(6- <i>tert</i> -Butyl-1,1-dimethyl-2,3-dihydroinden-4-yl)ethanone {Celestolide}	13171–00–1	--	1	F
2- and 3- <i>tert</i> -Butyl-4-hydroxy anisole {BHA} (mixture)	25013–16–5	1	1	F, I
2-(4- <i>tert</i> -Butylphenoxy)cyclohexanol	1942–71–8	1	1	B1, B2
C.I. Acid Black 172	57693–14–8	2	1	F, H
C.I. Direct Black 22	6473–13–8	--	1	F
C.I. Direct Black 91	6739–62–4	--	1	F
C.I. Direct Blue 15 (acid / tetrasodium salt / tetralithium salt)	16780–27–1 / 2429–74–5 / 71550–22–6	1	1	F, H
C.I. Direct Orange 10 (acid / salt)	749784–96–1 / 6405–94–3	--	1	F
C.I. Direct Red 39 (acid / disodium salt)	748705–55–7 / 6358–29–8	--	1	F
C.I. Disperse Blue 79	12239–34–8	--	1	F
C.I. Disperse Brown 4	17464–91–4	--	1	F
C.I. Disperse Orange 13	6253–10–7	--	1	F
C.I. Disperse Orange 29	19800–42–1	--	1	F
C.I. Disperse Orange 30	5261–31–4	--	1	F
C.I. Disperse Red 179	16586–42–8	--	1	F
C.I. Disperse Violet 93 press cake	52697–38–8	--	1	F
C.I. Disperse Yellow 7	6300–37–4	--	1	F
C.I. Food Red 17 {FD&C Red No. 40} (acid / salt)	149440–01–7 / 25956–17–6	3	1	F, H
C.I. Pigment Orange 2	6410–09–9	--	1	F
C.I. Pigment Orange 5	3468–63–1	--	1	F
C.I. Pigment Red 3	2425–85–6	--	1	F
C.I. Pigment Red 4	2814–77–9	--	1	F
C.I. Pigment Red 5	6410–41–9	--	1	F
C.I. Pigment Red 6	6410–13–5	--	1	F
C.I. Pigment Red 48 (acid / calcium salt)	16013–44–8 / 7023–61–2	3	1	F, H
C.I. Pigment Red 49	1103–38–4	3	1	F, H

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
C.I. Pigment Red 53 (strontium salt)	15958–19–7	--	1	F
C.I. Pigment Red 53 (barium salt / sodium salt)	5160–02–1 / 2092–56–0	3	1	F, H, I
C.I. Pigment Red 57:1 {D&C Red No. 7}	5281–04–9	3	1	F, H
C.I. Pigment Red 88	14295–43–3	--	1	F
C.I. Pigment Red 181	2379–74–0	--	1	F
C.I. Pigment Red 187	59487–23–9	--	1	F
C.I. Pigment Yellow 12	6358–85–6	3	1	F, H
C.I. Pigment Yellow 13	5102–83–0	--	1	F
C.I. Pigment Yellow 14	5468–75–7	3	1	F, H
C.I. Pigment Yellow 60	6407–74–5	--	1	F
C.I. Pigment Yellow 83	5567–15–7	--	1	F
C.I. Reactive Black 5	17095–24–8	2	1	F, H
C.I. Solvent Blue 4	6786–83–0	--	1	F
C.I. Solvent Orange 7	3118–97–6	--	1	F
C.I. Solvent Red 1	1229–55–6	3	1	F, I
C.I. Solvent Red 23	85–86–9	--	1	F
C.I. Solvent Red 80	6358–53–8	--	1	F
C.I. Solvent Yellow 14	842–07–9	--	1	F
C.I. Solvent Yellow 18	6407–78–9	--	1	F
Cadmium	7440–43–9	1	2	D1, D2
Caffeine	58–08–2	1	3	C, I
Calcium long-chain alkyl salicylates	83846–43–9	--	1	F
Calcium thiobis[dodecylphenolate] {Salt form of 28575–91–1}	26998–97–0	--	1	F
Camphor	76–22–2	2	1	F, I
Caprolactam {Hexahydro-2 <i>H</i> -azepin-2-one}	105–60–2	1	--	H
Carbamazepine	298–46–4	1	3	C
1-Carbamoyl-3-cyano-4-hydroxy-2,5,6-trichlorobenzene	Not available	1	1	B1, B2
Carbaryl	63–25–2	1	2	B1, B2
Carbazole	86–74–8	1	1	F, I
Carbendazim	10605–21–7	1	3	B1, B2
Carbofuran	1563–66–2	1	2	B1, B2
Carbofuran phenol	1563–38–8	1	--	H
Carbon disulfide	75–15–0	1	3	A, B2
Catechol {1,2-Benzenediol}	120–80–9	1	--	I
Cephalexin	15686–71–2	1	3	C
Cetrimonium chloride	112–02–7	1	--	H

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Chlorate	14866–68–3	1	--	<u>D1</u> , G
Chlordane	57–74–9	2	1	B1, B2
<i>cis</i> -Chlordane	5103–71–9	2	1	B1, B2
<i>trans</i> -Chlordane	5103–74–2	2	1	B1, B2
Chlorimuron-ethyl	90982–32–4	1	3	B1, B2
Chlorinated olefins (C12-24)	68527–02–6	--	1	F
Chlorinated paraffins (C12-average chain length; approximately 60 percent chlorine by weight)	108171–26–2	--	1	F
Chlorite	14998–27–7	1	--	<u>D1</u> , G
Chloroacetaldehyde	107–20–0	1	--	G
4-Chlorobenzylmethyl sulfone	98–57–7	1	3	B1, B2
5-Chloro-2-(2,4-dichlorophenoxy)aniline	56966–52–0	3	1	F, I
2-Chloro-2,6-diethylacetanilide	6967–29–9	1	1	B1, B2
1-Chloro-1,1-difluoroethane {Freon 142b}	75–68–3	1	--	H
Chlorodifluoromethane	75–45–6	1	--	H
4-Chloro-3,5-dinitrobenzotrifluoride	393–75–9	--	1	F
3-Chloro-2,6-dinitro- <i>N,N</i> -dipropyl-4-(trifluoromethyl)benzenamine	29091–20–1	--	1	F
Chloroethene {Vinyl chloride}	75–01–4	1	--	A
2-Chloro- <i>N</i> -(2-ethyl-6-methylphenyl)acetamide	32428–71–0	1	1	B1, B2
Chloromethane	74–87–3	1	--	A
Chloro(methoxy)methane	107–30–2	1	--	H
4-Chloro-2-methylphenol	1570–64–5	1	3	B1, B2
(4-Chloro-2-methylphenoxy)acetic acid {MCPA}	94–74–6	1	3	B1, B2
2-Chloronaphthalene	91–58–7	2	1	F, I
2-Chloronitrobenzene	88–73–3	1	--	I
1-Chloro-2-nitro-4-(trifluoromethyl)benzene	121–17–5	--	1	F
1,1'-(Chlorophenylmethylene)bis[4-methoxybenzene]	40615–36–9	--	1	F
4-Chloro-2-(phenylmethyl)phenol {Chlorophene}	120–32–1	1	--	I
4-Chlorophenyl phenyl ether	7005–72–3	2	1	F, I
Chloropicrin	76–06–2	1	3	<u>B1</u> , B2, G
Chlorothalonil	1897–45–6	1	1	B1, B2
Chlorotrianisene	569–57–3	--	1	F
3-[2-Chloro-4-(trifluoromethyl)phenoxy]phenyl acetate	50594–77–9	--	1	F
Chlorpyrifos	2921–88–2	1	1	B1, B2
Chlorpyrifos oxon	5598–15–2	1	3	B1, B2
Chlorsulfuron	64902–72–3	1	3	B1, B2
Cholesterol	57–88–5	1	1	C

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Chromium	7440-47-3	1	1	D1, D2
Chromium(III)	16065-83-1	1	--	D1
Chromium(VI) {Hexavalent chromium}	18540-29-9	1	--	D1
Chrysene	218-01-9	1	1	F, I
Cimetidine	51481-61-9	1	3	C
Clofentezine	74115-24-5	3	1	B1, B2
Cobalt	7440-48-4	1	--	D1
Codeine / Codeine phosphate	76-57-3 / 52-28-8	1	3	C
Copper ion {Also copper hydroxide and copper sulfate, as copper ion}	7440-50-8 {20427-59-2 / 7758-98-7}	1	1	B1, B2, D1, D2
3 $\beta$ -Coprostanol	360-68-9	1	1	C
Coronene	1910-70-1	--	1	F
Cotinine	486-56-6	1	3	C
Coumafos	56-72-4	3	1	B1, B2
<i>p</i> -Cresol	106-44-5	1	1	F, I
Cresyl diphenyl phosphate	26444-49-5	--	1	F
Crotonaldehyde	123-73-9	1	--	G
Cumene hydroperoxide	80-15-9	1	--	I
4-Cumylphenol	599-64-4	2	1	F, I
Cyanazine	21725-46-2	1	3	B1, B2
Cyanazine acid	Not available	1	3	B1, B2
Cyanazine amide	Not available	1	3	B1, B2
<i>N</i> -Cyanocarbamodithioic acid {Acid form of 138-93-2}	108-04-3	--	1	F
Cyanogen bromide {CNBr}	506-68-3	1	--	G
Cyanogen chloride {CNCl}	506-77-4	1	--	G
Cyclododecane	294-62-2	2	1	F, I
Cyclohexanone	108-94-1	1	--	H
[[4-[[2-(4-Cyclohexylphenoxy)ethyl]ethylamino]-2-methylphenyl]methylene]malononitrile	54079-53-7	--	1	F
4 <i>H</i> -Cyclopenta[ <i>d,e,f</i> ]chrysene	202-98-2	--	1	F
4 <i>H</i> -Cyclopenta[ <i>d,e,f</i> ]phenanthrene	203-64-5	1	1	F, I
Cyclopenta[ <i>c,d</i> ]pyrene	27208-37-3	--	1	F
Cyfluthrin	68359-37-5	1	1	B1, B2
$\gamma$ -Cyhalothrin	76703-62-3	1	1	B1, B2
$\lambda$ -Cyhalothrin	91465-08-6	1	1	B1, B2
Cylindrospermopsin {CYLS}	143545-90-8	1	--	E



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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Cypermethrin	52315–07–8	1	1	B1, B2
ζ-Cypermethrin {zeta-Cypermethrin}	69865–47–0	1	1	B1, B2
Cyproconazole	94361–06–5	--	1	B2
Cyprodinil	121552–61–2	2	1	B1, B2
Cytokinins	525–79–1	3	1	B1, B2
Dacthal {DCPA}	1861–32–1	1	1	B1, B2
Dacthal monoacid	887–54–7	1	1	B1, B2
Decamethylcyclopentasiloxane	541–02–6	2	1	F, H, <u>I</u>
Dechloroacetochlor	Not available	1	3	B1, B2
Dechloroalachlor	Not available	1	1	B1, B2
Dechlorodimethenamid	Not available	1	3	B1, B2
Dechlorometolachlor	Not available	1	1	B1, B2
Deethylatrazine	6190–65–4	1	3	B1, B2
Deethylcyanazine	Not available	1	3	B1, B2
Deethylcyanazine acid	Not available	1	3	B1, B2
Deethylcyanazine amide	Not available	1	3	B1, B2
Deethylhydroxyatrazine {2-Hydroxy-4-isopropylamino-6-amino-s-triazine}	Not available	1	1	B1, B2
Dehydronifedipine	67035–22–7	1	3	C
Deisopropylatrazine	1007–28–9	1	3	B1, B2
Deisopropylhydroxyatrazine	7313–54–4	1	3	B1, B2
Deisopropyl prometryn	Not available	1	1	B1, B2
Deltamethrin	52918–63–5	1	3	B1, B2
Demethyl fluometuron	Not available	1	3	B1, B2
Demethyl norflurazon	Not available	1	3	B1, B2
Deoxycylindrospermopsin {DCYL}	344941–42–0	1	--	E
Desmethyldiltiazem	130606–60–9	1	3	C
Desulfinylfipronil {MB46513}	Not available	1	1	B1, B2
Desulfinylfipronil amide {RPA 105048}	Not available	1	1	B1, B2
6-((2,4-Diaminophenyl)azo)-3-((4-((7-((2,4-diaminophenyl)azo)-1-hydroxy-3-sulfo-2-naphthyl)azo)phenyl)amino)-3-sulfo-phenyl)azo)-4-hydroxynaphthalene-2-sulfonic acid	76186–07–7	--	1	F
5-[[4'-[(2,4-Diamino-5-sulfo-phenyl)azo]-3,3'-dimethyl[1,1'-biphenyl]-4-yl]azo]-2-hydroxybenzoic acid (acid / disodium salt)	739317–02–3 / 67893–48–5	--	1	F
2,4- and 2,6-Diaminotoluene {Mixture of 95–80–7 and 823–40–5}	25376–45–8	1	--	H
Diaryl (mixed) <i>p</i> -phenylenediamines	68478–45–5	--	1	F
Diazinon	333–41–5	1	1	B1, B2
Diazinon oxon	962–58–3	1	3	B1, B2
Dibenz[ <i>a,h</i> ]acridine	226–36–8	--	1	F

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Dibenz[ <i>a,j</i> ]acridine	224–42–0	--	1	F
Dibenz[ <i>a,c</i> ]anthracene	215–58–7	--	1	F
Dibenz[ <i>a,h</i> ]anthracene	53–70–3	1	1	F, I
7 <i>H</i> -Dibenzo[ <i>c,g</i> ]carbazole	194–59–2	--	1	F
Dibenzo[ <i>a,e</i> ]fluoranthene	5385–75–1	--	1	F
Dibenzo[ <i>a,e</i> ]pyrene	192–65–4	--	1	F
Dibenzo[ <i>a,h</i> ]pyrene	189–64–0	--	1	F
Dibenzo[ <i>a,i</i> ]pyrene	189–55–9	--	1	F
Dibenzo[ <i>a,l</i> ]pyrene	191–30–0	--	1	F
2,6-Di- <i>tert-p</i> -benzoquinone	719–22–2	1	--	I
Dibenzothiophene	132–65–0	1	1	F, I
Dibromoacetic acid	631–64–1	1	--	G
Dibromochloromethane	124–48–1	1	--	<u>A</u> , G
1,2-Dibromo-3-chloropropane	96–12–8	1	3	A, B2
1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane	3322–93–8	--	1	F
1,2-Dibromoethane	106–93–4	1	3	A, B2
4,6-Di- <i>tert</i> -butyl- <i>m</i> -cresol {DTBC}	497–39–2	--	1	F
Dibutyl 1,2,3,4,7,7-hexachlorobicyclo[2.2.1]hept-2-ene-5,6-dicarboxylate	1770–80–5	--	1	F
(3,5-Di- <i>tert</i> -butyl-4-hydroxyphenyl)methyl ethoxyphosphinic acid	66165–37–5	--	1	F
2,6-Di- <i>tert</i> -butyl-4-methylphenol {Butylated hydroxytoluene, BHT}	128–37–0	2	1	F, I
2,5-Di( <i>tert</i> -butylperoxy)-2,5-dimethyl-3-hexyne	1068–27–5	--	1	F
2,4-Di- <i>tert</i> -butylphenol {2,4-DTBP}	96–76–4	--	1	F
2,6-Di- <i>tert</i> -butylphenol {2,6-DTBP}	128–39–2	1	1	F, I
Di- <i>n</i> -butyl phthalate {DBP}	84–74–2	1	1	F, I
Dicamba	1918–00–9	1	3	B1, B2
1,3-Dicarbamoyl-2,4,5,6-tetrachlorobenzene	1786–86–3	1	1	B1, B2
Dichlobenil {2,6-Dichlorobenzonitrile}	1194–65–6	1	3	B1, B2
Dichloroacetaldehyde	79–02–7	1	--	G
Dichloroacetamide	683–72–7	1	--	G
Dichloroacetic acid	79–43–6	1	--	G
3,4-Dichloroaniline	95–76–1	1	1	B1, B2
3,5-Dichloroaniline	626–43–7	1	1	B1, B2
1,2-Dichlorobenzene	95–50–1	2	1	A, F
1,4-Dichlorobenzene	106–46–7	2	1	A, F
4,4'-Dichlorobenzophenone	90–98–2	1	1	B1, B2
3-[[4-[(5,6-Dichloro-2-benzothiazolyl)azo]phenyl]ethylamino]propanenitrile	25176–89–0	--	1	F
3,4-Dichlorobenzotrifluoride	328–84–7	3	1	F, I

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
<i>o,p'</i> -Dichlorodiphenyldichloroethane { <i>o,p'</i> -DDD}	53–19–0	--	1	B2
<i>p,p'</i> -Dichlorodiphenyldichloroethane { <i>p,p'</i> -DDD}	72–54–8	3	1	B1, B2
<i>o,p'</i> -Dichlorodiphenyldichloroethylene { <i>o,p'</i> -DDE}	3424–82–6	--	1	B2
<i>p,p'</i> -Dichlorodiphenyldichloroethylene { <i>p,p'</i> -DDE}	72–55–9	1	1	B1, B2
4,4'-Dichlorodiphenyl sulfone	80–07–9	3	1	F, I
<i>o,p'</i> -Dichlorodiphenyltrichloroethane { <i>o,p'</i> -DDT}	789–02–6	--	1	B2
<i>p,p'</i> -Dichlorodiphenyltrichloroethane { <i>p,p'</i> -DDT}	50–29–3	2	1	B1, B2
1,1-Dichloroethane	75–34–3	1	--	A
1,1-Dichloroethene	75–35–4	1	--	A
<i>cis</i> -1,2-Dichloroethene	156–59–2	1	--	A
Dichloromethane {Methylene chloride}	75–09–2	1	--	<u>A</u> , G
3,4-Dichloromethyphenylurea	3567–62–2	1	3	B1, B2
4-[(2,6-Dichloro-4-nitrophenyl)azo]- <i>N</i> -(4-nitrophenyl)aniline	72927–94–7	--	1	F
2,4-Dichlorophenol	120–83–2	1	1	F, I
2,4-Dichlorophenoxyacetic acid plus methyl-2,4-dichlorophenoxyacetate (summed on molar basis) {2,4-D plus 2,4-D methyl ester}	94–75–7 and 1928–38–7	1	2	B1, B2
4-[1-[(2,4-Dichlorophenyl)amino]carbonyl]-3,3-dimethyl-2-oxobutoxy]benzoic acid	58161–93–6	--	1	F
3,4-Dichlorophenylurea	2327–02–8	1	3	B1, B2
1,2-Dichloropropane	78–87–5	1	3	A, B2
Dichloropropanone	513–88–2	1	--	G
1,3-Dichloropropene (mixture of isomers)	542–75–6	1	3	B1, B2
<i>cis</i> -1,3-Dichloropropene	10061–01–5	1	3	A, B2
<i>trans</i> -1,3-Dichloropropene	10061–02–6	1	--	A
1,2-Dichloro-1,1,2,2-tetrafluoroethane {Freon 114}	76–14–2	1	--	H
2,2-Dichloro-1,1,1-trifluoroethane {Freon 123}	306–83–2	1	--	H
Dichlorvos	62–73–7	1	3	B1, B2
Diclofenac	15307–86–5	1	1	C
Dicofol	115–32–2	1	1	B1, B2
Dicrotophos	141–66–2	1	3	B1, B2
Didealkylatrazine	3397–62–4	1	3	B1, B2
Didecyl dimethyl ammonium chloride {DDAC}	7173–51–5	2	1	F, I
Dieldrin	60–57–1	1	1	B1, B2
2,6-Diethylaniline	579–66–8	1	1	B1, B2
Diethylene glycol {2,2'-Oxybisethanol}	111–46–6	1	--	H
<i>N,N</i> -Diethylethanamine {Triethylamine}	121–44–8	1	--	H
Di(2-ethylhexyl)adipate	103–23–1	--	1	F
2-Diethylhexyl diphenyl phosphate	1241–94–7	--	1	F

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Diethyl phthalate	84-66-2	1	1	F, I
<i>N,N</i> -Diethyl- <i>m</i> -toluamide {DEET}	134-62-3	1	2	F, I
Difenconazole	119446-68-3	--	1	B2
Difenzoquat	49866-87-7	3	1	B1, B2
Diflubenzuron	35367-38-5	1	3	B1, B2
Diflufenzopyr	109293-97-2	1	3	B1, B2
1,1-Difluoroethane	75-37-6	1	--	H
Diglyme {Bis(2-methoxyethyl) ether}	111-96-6	1	--	H
Di- <i>n</i> -hexyl phthalate {DnHP}	84-75-3	--	1	F
Diisobutyl phthalate {DIBP}	84-69-5	--	1	F
Diisodecyl phthalate {DIDP}	26761-40-0 / 68515-49-1	--	1	F
Diisononyl phthalate {DINP}	28553-12-0 / 68515-48-0	--	1	F
Diltiazem	33286-22-5 / 42399-41-7	1	3	C
Dimethenamid	87674-68-8	1	3	B1, B2
Dimethenamid ethanesulfonic acid {Dimethenamid ESA}	Not available	1	3	B1, B2
Dimethenamid oxanilic acid {Dimethenamid OA}	Not available	1	3	B1, B2
Dimethenamid-P	163515-14-8	1	3	B1, B2
Dimethoate	60-51-5	1	3	B1, B2
2,2'-[(3,3'-Dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[ <i>N</i> -(2-methylphenyl)-3-oxobutanamide	7147-42-4	--	1	F
Dimethoxymethane	109-87-5	1	--	H
<i>N,N</i> -Dimethylacetamide	127-19-5	1	--	H
(4-(Dimethylamino)phenyl)bis(4-(ethylamino)-3-methylphenyl)methylum acetate	72102-55-7	--	1	F
7,12-Dimethylbenz[ <i>a</i> ]anthracene	57-97-6	--	1	F
2,5-Dimethyl-2,5-di( <i>tert</i> -butylperoxy)hexane	78-63-7	2	1	F, I
<i>N,N</i> -Dimethylformamide	68-12-2	1	--	H
2,6-Dimethyl-4-heptanone	108-83-8	1	--	H
Dimethyl methylphosphonate	756-79-6	1	--	H
1,2-Dimethylnaphthalene	573-98-8	1	1	F, I
1,6-Dimethylnaphthalene	575-43-9	1	1	F, I
2,6-Dimethylnaphthalene	581-42-0	1	1	F, I
2,4-Dimethylphenol	105-67-9	1	--	I
3,5-Dimethylphenol	108-68-9	3	1	F, I
4-[1-(3,4-Dimethylphenyl)ethyl]-1,2-dimethylbenzene	1742-14-9	--	1	F
Dimethyl phthalate	131-11-3	1	1	F, I

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Dimethylsiloxane / Tetramethyldisiloxane / Methyl siloxanes (mixture)	69430–47–3	--	1	F
Dimethyl siloxanes, hydrogen-terminated	70900–21–9	--	1	F
1,7-Dimethylxanthine	611–59–6	1	3	C
1,3-Dinitrobenzene	99–65–0	1	--	I
3,7-Dinitrofluoranthene	105735–71–5	--	1	F
3,9-Dinitrofluoranthene	22506–53–2	--	1	F
4,6-Dinitro-2-methylphenol {DNOC}	534–52–1	1	3	B2, I
2,4-Dinitrophenol	51–28–5	1	2	F, I
1,6-Dinitropyrene	42397–64–8	--	1	F
1,8-Dinitropyrene	42397–65–9	--	1	F
2,6-Dinitrotoluene	606–20–2	1	1	F, I
Dinonylphenol (mixture of isomers)	1323–65–5	--	1	F
Diocetyl-3,3'-thiodipropionate	693–36–7	--	1	F
Di- <i>n</i> -octyl phthalate	117–84–0	--	1	F
Diosgenin	512–04–9	--	1	F
1,4-Dioxane	123–91–1	1	--	A, I
1,3-Dioxolane	646–06–0	1	--	H
Di- <i>n</i> -pentyl phthalate {DnPP}	131–18–0	3	1	F, I
Diphenhydramine	147–24–0 / 58–73–1	1	3	C
<i>N,N'</i> -Diphenyl-1,4-benzenediamine	74–31–7	2	1	F, I
Dipropylene glycol dibenzoate	27138–31–4	1	--	H
Dipropylene glycol monomethyl ether	34590–94–8	1	--	H
Diquat / diquat bromide	2764–72–9 / 85–00–7	1	1	B1, B2
<i>N,N'</i> -Di- <i>sec</i> -butylbenzene-1,4-diamine	101–96–2	1	--	H
Disodium cyanodithioimidocarbonate {Salt form of 108–04–3}	138–93–2	2	1	F, I
Disperse Blue 79:1 {2-[5-acetamido- <i>N</i> -(2-acetyloxyethyl)-4-(2-bromo-4,6-dinitrophenyl)diazenyl-2-methoxyanilino]ethyl acetate}	3618–72–2	3	1	F, H
Disperse Brown 1 {2,2'-[[3-chloro-4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]imino]bisethanol}	23355–64–8	--	1	F
Disperse Orange 5 {2-[[4-[(2,6-Dichloro-4-nitrophenyl)azo]phenyl]methylamino]ethanol}	6232–56–0	--	1	F
Disperse Orange 61	55281–26–0	--	1	F
Disperse Yellow 68 {4,4'-[ <i>p</i> -Phenylenebis(azo)]diphenol}	21811–64–3	--	1	F
Distearyl dimethyl ammonium chloride {DSDMAC}	107–64–2	--	1	F
Disulfoton	298–04–4	1	1	B1, B2
Disulfoton sulfone	2497–06–5	1	3	B1, B2

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Disulfoton sulfoxide	2497-07-6	1	3	B1, B2
Dithiopyr	97886-45-8	3	1	B1, B2
Diuron	330-54-1	1	1	B1, B2
Dodecachlorododecahydrodimethanodibenzocyclooctene {Dechlorane plus}	13560-89-9	--	1	F
Dodecamethylcyclohexasiloxane	540-97-6	--	1	F
Dodecane	93685-81-5	--	1	F
Dodecylbenzene sodium sulfonate	25155-30-0	1	--	H
3-Dodecyl-4-(2-dodecyl-4-hydroxyphenyl)sulfanylphenol {Thiobis((tetrapropylene phenol))}	68815-67-8	--	1	F
Dodecylphenol, calcium salt, sulfurized	68855-45-8	--	1	F
Dodecylphenol, calcium salt, sulfurized, overbased, carbonated	68784-26-9	--	1	F
Emamectin	155569-91-8	3	1	B1, B2
Endosulfan	115-29-7	1	1	B1, B2
$\alpha$ -Endosulfan	959-98-8	1	1	B1, B2
$\beta$ -Endosulfan	33213-65-9	1	1	B1, B2
Endosulfan ether	3369-52-6	1	1	B1, B2
Endosulfan sulfate	1031-07-8	1	1	B1, B2
Endothall	145-73-3	1	3	B1, B2
Enrofloxacin	93106-60-6	1	3	C
Epichlorohydrin {2-(Chloromethyl)oxirane}	106-89-8	1	--	H
Equilenin	517-09-9	1	1	C
Equilin	474-86-2	1	3	C
Erythromycin / Erythromycin dihydrate	114-07-8 / 59319-72-1	1	3	C
Esfenvalerate	66230-04-4	1	1	B1, B2
17 $\alpha$ -Estradiol	57-91-0	1	1	C
17 $\beta$ -Estradiol	50-28-2	1	1	C
Estriol	50-27-1	1	3	C
Estrone	53-16-7	1	3	C
Ethalfuralin	55283-68-6	1	1	B1, B2
Ethoprop {Ethoprophos}	13194-48-4	1	3	B1, B2
2-Ethoxyethanol	110-80-5	1	--	H
2-(2-Ethoxyethoxy)ethanol	111-90-0	1	--	H
2-Ethoxyethyl acetate	111-15-9	1	--	H
Ethyl acetate	141-78-6	1	--	H
S-Ethyl dipropylthiocarbamate {EPTC}	759-94-4	1	1	B1, B2
N,N-Ethylene-bis(tetrabromophthalimide)	32588-76-4	--	1	F
Ethylenediaminetetraacetic acid {EDTA}	60-00-4	1	--	H

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Ethylenethiourea {ETU}	96-45-7	1	3	B1, B2
2-Ethyl-1-hexanol	104-76-7	1	--	H
2-Ethyl-6-methylaniline	24549-06-2	1	3	B1, B2
2-[(2-Ethyl-6-methylphenyl)amino]-1-propanol	61520-53-4	1	1	B1, B2
<i>O</i> -Ethyl- <i>O</i> -methyl- <i>S</i> -propylphosphorothioate	76960-87-7	1	3	B1, B2
2-Ethyl-naphthalene	939-27-5	2	1	F, I
<i>N</i> -Ethyl perfluorooctylsulfonamide ethanol { <i>N</i> -EtFOSE alcohol}	1691-99-2	3	1	F, I
17 $\alpha$ -Ethinylestradiol	57-63-6	1	1	C
Etoxazole	153233-91-1	1	3	B1, B2
Famoxadone	131807-57-3	1	3	B1, B2
FD&C Yellow No. 6 {Disodium (5 <i>E</i> )-6-oxo-5-[(4-sulfonatophenyl)hydrazinylidene]naphthalene-2-sulfonate}	2783-94-0	3	1	F, H
Fenamiphos	22224-92-6	1	3	B1, B2
Fenamiphos sulfone	31972-44-8	1	3	B1, B2
Fenamiphos sulfoxide	31972-43-7	1	3	B1, B2
Fenarimol	60168-88-9	3	1	B1, B2
Fenbuconazole	114369-43-6	3	1	B1, B2
Fenbutatin oxide	13356-08-6	1	1	B1, B2
Fenpropathrin	39515-41-8	1	1	B1, B2
Fenpyroximate	134098-61-6	3	1	B1, B2
Fenthion	55-38-9	3	1	B1, B2
Fenthion oxon sulfone	14086-35-2	3	1	B1, B2
Fentin / Triphenyltin hydroxide	668-34-8 / 76-87-9	1	1	B1, B2
Fenvalerate	51630-58-1	3	1	B1, B2
Fipronil	120068-37-3	1	1	B1, B2
Fipronil sulfide	120067-83-6	1	1	B1, B2
Fipronil sulfone	120068-36-2	1	1	B1, B2
Fluazinam	79622-59-6	2	1	B1, B2
Fludioxonil	131341-86-1	3	1	B1, B2
Flufenacet	142459-58-3	2	1	B1, B2
Flufenacet ethanesulfonic acid {Flufenacet ESA}	201668-32-8	2	1	B1, B2
Flufenacet oxanilic acid {Flufenacet OA}	Not available	2	1	B1, B2
Flumetralin	62924-70-3	3	1	B1, B2
Flumetsulam	98967-40-9	1	3	B1, B2
Flumiclorac	87546-18-7	1	3	B1, B2
Fluometuron	2164-17-2	1	3	B1, B2
Fluoranthene	206-44-0	1	1	F, I

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Fluorene	86–73–7	1	1	F, I
Fluoride	7782–41–4	1	--	D1
Fluoxetine / Fluoxetine hydrochloride	54910–89–3 / 59333–67–4	1	1	C
Flutolanil	66332–96–5	3	1	B1, B2
Fonofos	944–22–9	1	2	B1, B2
Fonofos oxon	944–21–8	1	3	B1, B2
Formaldehyde	50–00–0	1	--	G
Formetanate	23422–53–9	1	3	B1, B2
Furosemide	54–31–9	1	3	C
Gemfibrozil	25812–30–0	1	1	C
Glipizide	29094–61–9	1	3	C
Glyburide	10238–21–8	1	1	C
Glyphosate	1071–83–6	1	1	B1, B2
Gross alpha-particle activity	12587–46–1	1	--	J
Gross beta-particle activity	12587–47–2	1	--	J
Halosulfuron-methyl	100784–20–1	1	3	B1, B2
1,2,3,4,6,7,8-Heptabromodibenzofuran {1,2,3,4,6,7,8-HpBDF}	107555–95–3	--	1	F
1,2,3,4,6,7,8-Heptabromodibenzo- <i>p</i> -dioxin {1,2,3,4,6,7,8-HpBDD}	110999–47–8	--	1	F
Heptachlor	76–44–8	2	1	B1, B2
Heptachlor epoxide	1024–57–3	2	1	B1, B2
2,2',3,4',5,5,6'-Heptachloro-4-biphenylol {4-Hydroxy-PCB187}	158076–64–3	--	1	F
Heptachlorocyclopentane	68258–90–2	--	1	F
Heptachlorocyclopentene	62111–47–1	--	1	F
1,2,3,4,6,7,8-Heptachlorodibenzo- <i>p</i> -dioxin {1,2,3,4,6,7,8-HpCDD}	35822–46–9	--	1	F
1,2,3,4,6,7,8-Heptachlorodibenzofuran {1,2,3,4,6,7,8-HpCDF}	67562–39–4	--	1	F
1,2,3,4,7,8,9-Heptachlorodibenzofuran {1,2,3,4,7,8,9-HpCDF}	55673–89–7	--	1	F
Heptachloronaphthalene	32241–08–0	--	1	F
Heptachloro-2-norbornene (mixture of isomers)	28680–45–7	--	1	F
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro- <i>N</i> -(2-hydroxyethyl)-methyl-1-octane-sulfonamide { <i>N</i> -MeFOSE alcohol}	24448–09–7	3	1	F, H
Heptadecafluorooctane-1-sulfonic acid; 2-(2-hydroxyethylamino)ethanol {PFOS diethanolamine salt}	70225–14–8	--	1	F
Heptamethylphenylcyclotetrasiloxane	10448–09–6	--	1	F
Hexabromobenzene	87–82–1	--	1	F
1,2,5,6,9,10-Hexabromocyclododecane	3194–55–6	3	1	F, H
Hexabromocyclododecane (mixture of isomers)	25637–99–4	--	1	F
$\alpha$ -Hexabromocyclododecane	134237–50–6	--	1	F



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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
$\beta$ -Hexabromocyclododecane	134237-51-7	--	1	F
$\gamma$ -Hexabromocyclododecane	134237-52-8	--	1	F
1,2,3,4,7,8-Hexabromodibenzo- <i>p</i> -dioxin {1,2,3,4,7,8-HxBDD}	110999-44-5	--	1	F
1,2,3,6,7,8-Hexabromodibenzo- <i>p</i> -dioxin {1,2,3,6,7,8-HxBDD}	110999-45-6	--	1	F
1,2,3,7,8,9-Hexabromodibenzo- <i>p</i> -dioxin {1,2,3,7,8,9-HxBDD}	110999-46-7	--	1	F
1,2,3,4,7,8-Hexabromodibenzofuran {1,2,3,4,7,8-HxBDF}	129880-08-6	--	1	F
Hexachlorobenzene {HCB}	118-74-1	2	1	B2, F, I
2,2',3,4',5,5'-Hexachloro-4-biphenylol {4-Hydroxy-PCB 146}	145413-90-7	--	1	F
$\alpha$ -Hexachlorocyclohexane { $\alpha$ -HCH}	319-84-6	1	1	B1, B2
$\beta$ -Hexachlorocyclohexane { $\beta$ -HCH}	319-85-7	1	1	B1, B2
$\gamma$ -Hexachlorocyclohexane {Lindane}	58-89-9	1	1	B1, B2
$\delta$ -Hexachlorocyclohexane { $\delta$ -HCH}	319-86-8	1	1	B1, B2
Hexachlorocyclopentadiene	77-47-4	2	1	F, I
Hexachlorodibenzo- <i>p</i> -dioxin (mixture of isomers)	34465-46-8	--	1	F
1,2,3,4,7,8-Hexachlorodibenzo- <i>p</i> -dioxin {1,2,3,4,7,8-HxCDD}	39227-28-6	--	1	F
1,2,3,6,7,8-Hexachlorodibenzo- <i>p</i> -dioxin {1,2,3,6,7,8-HxCDD}	57653-85-7	--	1	F
1,2,3,7,8,9-Hexachlorodibenzo- <i>p</i> -dioxin {1,2,3,7,8,9-HxCDD}	19408-74-3	--	1	F
1,2,3,4,7,8-Hexachlorodibenzofuran {1,2,3,4,7,8-HxCDF}	70648-26-9	--	1	F
1,2,3,6,7,8-Hexachlorodibenzofuran {1,2,3,6,7,8-HxCDF}	57117-44-9	--	1	F
1,2,3,7,8,9-Hexachlorodibenzofuran {1,2,3,7,8,9-HxCDF}	72918-21-9	--	1	F
2,3,4,6,7,8-Hexachlorodibenzofuran {2,3,4,6,7,8-HxCDF}	60851-34-5	--	1	F
Hexachloroethane	67-72-1	3	1	A, F
Hexachloronaphthalene (mixture of isomers)	1335-87-1	--	1	F
1,2,3,4,5,7-Hexachloronaphthalene {PCN 64}	67922-27-4	--	1	F
Hexahydrohexamethylcyclopentabenzopyran {HHCB}	1222-05-5	1	1	F, I
Hexamethyldisilazane, hexamethylcyclotrisiloxane, diethylhydroxylamine, silica condensate {HMSSA}	68583-58-4	--	1	F
Hexamethyldisiloxane {HMDS}	107-46-0	3	1	F, I
Hexamine {1,3,5,7-Tetraazatricyclo [3.3.1.1 <sup>3,7</sup> ] decane}	100-97-0	1	--	H
Hexane	110-54-3	1	--	H
Hexazinone	51235-04-2	1	2	B1, B2
Hydrazine	302-01-2	1	--	I
Hydrochlorothiazide	58-93-5 / 8049-49-8	1	3	C
Hydrocodone / Hydrocodone bitartrate	125-29-1 / 143-71-5	1	3	C
Hydrogenated rosin	65997-06-0	--	1	F
Hydrogenated rosin, glycerol ester	65997-13-9	--	1	F

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Hydrogenated rosin, pentaerythritol ester	64365-17-9	--	1	F
Hydrogenated rosin, triethylene glycol ester	68648-53-3	--	1	F
Hydroxyacetochlor	60090-47-3	1	3	B1, B2
Hydroxyalachlor	56681-55-1	1	1	B1, B2
10-Hydroxyamitriptyline	64520-05-4	1	3	C
2-Hydroxyatrazine	2163-68-0	1	1	B1, B2
3-Hydroxycarbofuran	16655-82-6	1	3	B1, B2
Hydroxydimethanamid	Not available	1	3	B1, B2
1-Hydroxyethylidene diphosphonic acid	2809-21-4	1	--	H
3-Hydroxyfluorene	6344-67-8	3	1	F, I
2-Hydroxyibuprofen	51146-55-5	1	3	C
4-(Hydroxymethyl)pendimethalin	56750-76-6	1	1	B1, B2
4-Hydroxy-4-methyl-2-pentanone	123-42-2	1	--	H
2-Hydroxy-2-methylpropanenitrile {Acetone cyanohydrin}	75-86-5	1	--	H
Hydroxymetolachlor	131068-72-9	1	1	B1, B2
2-[(2-Hydroxy-1-naphthyl)azo]naphthalenesulfonic acid	29128-55-0	--	1	F
2-Hydroxyphenanthrene	605-55-0	3	1	F, I
3-Hydroxyphenanthrene	605-87-8	3	1	F, I
4-Hydroxyphenanthrene	7651-86-7	3	1	F, I
9-Hydroxyphenanthrene	484-17-3	3	1	F, I
Hydroxysimazine	2599-11-3	1	3	B1, B2
6-Hydroxy-5-[2-(4-sulfophenyl)diazonyl]naphthalene-2-sulfonic acid	5859-11-0	--	1	F
4-Hydroxy-2,5,6-trichloroisophthalonitrile	Not available	1	1	B1, B2
Hydroxyzine	68-88-2	1	3	C
Ibuprofen	15687-27-1	1	1	C
Imazamox	114311-32-9	1	1	B1, B2
Imazaquin	81335-37-7	1	3	B1, B2
Imazethapyr	81335-77-5	1	3	B1, B2
Imidacloprid	138261-41-3	1	3	B1, B2
Indeno[1,2,3- <i>cd</i> ]pyrene	193-39-5	1	1	F, I
Indoxacarb	173584-44-6	1	3	B1, B2
3-Iodo-2-propynyl butylcarbamate	55406-53-6	1	--	H
Iprodione	36734-19-7	1	1	B1, B2
Iron	7439-89-6	1	--	D1
Isobutylacetate {2-Methylpropyl acetate}	110-19-0	1	--	H
Isodecyl diphenyl phosphate	29761-21-5	--	1	F
Isophorone	78-59-1	1	1	F, I

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Isopropyl acetate {1-Methylethyl acetate}	108–21–4	1	--	H
Isopropylbenzene {(1-Methylethyl)benzene}	98–82–8	2	1	A, F
Isopropyl phenyl diphenyl phosphate	28108–99–8	--	1	F
Isoquinoline	119–65–3	2	1	F, I
Isoxaben	82558–50–7	3	1	B1, B2
Isoxaflutole	141112–29–0	1	3	B1, B2
Isoxaflutole metabolite RPA 202248 {1-(2-Methylsulfonyl-4-trifluoromethylphenyl)-2-cyano-3-cyclopropyl propan-1,3-dione}	143701–75–1	1	3	B1, B2
Isoxaflutole metabolite RPA 203328 {2-Methylsulfonyl-4-trifluoromethyl benzoic acid}	142994–06–7	1	3	B1, B2
3-Ketocarbofuran	16709–30–1	1	3	B1, B2
11-Ketotestosterone	53187–98–7 / 564–35–2	1	3	C
Kresoxim-methyl	143390–89–0	1	1	B1, B2
Lead	7439–92–1	1	1	D1, D2
Lead-210 { <sup>210</sup> Pb}	14255–04–0	1	--	J
D-Limonene	5989–27–5	3	1	F, I
Lincomycin	154–21–2	1	3	C
Linuron	330–55–2	1	2	B1, B2
Lisinopril	76547–98–3	1	3	C
Lithium	7439–93–2	1	--	D1
Lithium perfluorooctane sulfonate	29457–72–5	--	1	F
Malaoxon	1634–78–2	1	3	B1, B2
Malathion	121–75–5	1	3	B1, B2
Maneb	12427–38–2	1	3	B1, B2
Manganese	7439–96–5	1	--	D1
Menthol	89–78–1	2	1	F, I
Mercury	7439–97–6	2	1	D1, D2
Mestranol	72–33–3	1	1	C
Metalaxyl	57837–19–1	1	3	B1, B2
Metam sodium	137–42–8	1	3	B1, B2
Metconazole	125116–23–6	1	1	B1, B2
Metformin hydrochloride	657–24–9	1	3	C
Methamidophos	10265–92–6	1	3	B1, B2
Methidathion	950–37–8	1	3	B1, B2
Methocarbamol	532–03–6	1	3	C
Methomyl	16752–77–5	1	3	B1, B2
Methomyl oxime	13749–94–5	1	3	B1, B2

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Methoxychlor	72-43-5	1	1	B1, B2
2-Methoxyethanol	109-86-4	1	--	H
2-(2-Methoxyethoxy)ethanol	111-77-3	1	--	H
Methoxyfenozide	161050-58-4	1	1	B1, B2
4-[[2-Methoxy-4-[(2-methoxyphenyl)azo]-5-methylphenyl]azo]phenol {MMMP}	93805-00-6	--	1	F
1-Methoxy-2-propanol	107-98-2	1	--	H
Methyl acetate	79-20-9	1	--	A
2-Methylanthracene	613-12-7	1	1	F, I
5-Methyl-1 <i>H</i> -benzotriazole	136-85-6	1	--	I
Methyl <i>tert</i> -butyl ether	1634-04-4	1	--	A
3-Methylcholanthrene	56-49-5	--	1	F
5-Methylchrysene	3697-24-3	--	1	F
<i>cis</i> -Methyl-3-(2,2-dichlorovinyl)-2,2-dimethyl-(1-cyclopropane)-carboxylate	61898-95-1	1	1	B1, B2
<i>trans</i> -Methyl-3-(2,2-dichlorovinyl)-2,2-dimethyl-(1-cyclopropane)-carboxylate	61898-95-1	1	1	B1, B2
4,4-(1-Methylethylidene)bisphenol reaction products with hexakis(methoxymethyl) melamine	125328-28-1	--	1	F
1-Methyl-9 <i>H</i> -fluorene	1730-37-6	1	1	F, I
Methyl glyoxal	78-98-8	1	--	G
5-Methyl-2-hexanone	110-12-3	1	--	H
1-Methyl-7-(1-methylethyl)phenanthrene {Retene}	483-65-8	--	1	F
1-Methylnaphthalene	90-12-0	3	1	F, I
2-Methylnaphthalene	91-57-6	2	1	F, I
Methyl oxirane {Propylene oxide}	75-56-9	1	--	H
4-Methyl-2-pentanol	108-11-2	1	--	H
1-Methylphenanthrene	832-69-9	1	1	F, I
1-Methylpyrene	2381-21-7	1	1	F, I
1-Methyl-2-pyrrolidone	872-50-4	1	--	H
Methyl salicylate	119-36-8	1	--	I
(4 <i>E</i> )-4-[(4-Methyl-2-sulfophenyl)hydrazinylidene]-3-oxonaphthalene-2-carboxylic acid	16014-23-6	--	1	F
Methyltin trichloride	993-16-8	1	--	H
Methyl triclosan	4640-01-1	2	1	F, I
Metolachlor	51218-45-2	1	1	B1, B2
<i>S</i> -Metolachlor	87392-12-9	1	1	B1, B2
Metolachlor ethane sulfonic acid {Metolachlor ESA}	171118-09-5	1	3	B1, B2
Metolachlor oxanilic acid {Metolachlor OA}	152019-73-3	1	3	B1, B2
Metoprolol / Metoprolol tartrate	37350-58-6 or 51384-51-1 / 56392-17-7	1	3	C

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Metribuzin	21087-64-9	1	3	B1, B2
Microcystin-LA {MCLA}	96180-79-9	1	--	E
Microcystin-LF {MCLF}	154037-70-4	1	--	E
Microsystin-LR {MCLR}	101043-37-2	1	--	E
Microcystin-LW {MCLW}	157622-02-1	1	--	E
Microcystin-LY {MCLY}	123304-10-9	1	--	E
Microsystin-RR {MCRR}	111755-37-4	1	--	E
Microcystin-YR {MCYR}	101064-48-6	1	--	E
Mirex	2385-85-5	2	1	B1, B2
Molinate	2212-67-1	1	2	B1, B2
Molybdenum	7439-98-7	1	--	D1
Monobenzyl phthalate	2528-16-7	2	1	F, I
Monobromoacetic acid	79-08-3	1	--	G
Monochloroacetic acid	79-11-8	1	--	G
Mono(2-ethyl-5-carboxypentyl) phthalate	40809-41-4	2	1	F, I
Mono-2-ethylhexyl phthalate	4376-20-9	2	1	F, I
Mono(2-ethyl-5-hydroxyhexyl) phthalate	40321-99-1	2	1	F, I
Mono(2-ethyl-5-oxohexyl) phthalate	40321-98-0	2	1	F, I
Mono-isononyl phthalate	519056-28-1	--	1	F
Mono- <i>n</i> -octyl phthalate	5393-19-1	--	1	F
Morpholine	110-91-8	1	--	H
Musk xylene	81-15-2	1	1	F, I
Myclobutanil	88671-89-0	1	1	B1, B2
Nadalol	42200-33-9	1	3	C
Naled	300-76-5	1	3	B1, B2
Naphthalene	91-20-3	1	1	A, B2, F, I
1-Naphthol	90-15-3	1	3	B1, B2
2-Naphthol {2-Hydroxynaphthalene}	135-19-3	2	1	F, I
Naphthylacetamide	86-86-2	3	1	B1, B2
2-Naphthylamine	91-59-8	3	1	F, I
Napropamide	15299-99-7	2	1	B1, B2
Naptho[2,3- <i>e</i> ]pyrene	196-42-9	--	1	F
Nickel	7440-02-0	1	1	D1, D2
Nicosulfuron	111991-09-4	1	3	B1, B2
Nitrapyrin	1929-82-4	1	--	H
5-Nitroacenaphthene	602-87-9	3	1	F, I
Nitrobenzene	98-95-3	1	1	F, I

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
4-Nitrobiphenyl	92–93–3	3	1	F, I
6-Nitrochrysene	7496–02–8	--	1	F
2-Nitrofluorene	607–57–8	2	1	F, I
Nitroglycerin	55–63–0	1	--	H, I
2-Nitrophenol	88–75–5	1	2	F, I
4-Nitrophenol	100–02–7	1	2	F, I
2-Nitropropane	79–46–9	1	--	H
1-Nitropyrene	5522–43–0	--	1	F
4-Nitropyrene	57835–92–4	--	1	F
<i>N</i> -Nitrosodiethanolamine {NDELA}	1116–54–7	1	--	I
<i>N</i> -Nitrosodiethylamine {NDEA}	55–18–5	1	3	F, G, I
<i>N</i> -Nitrosodimethylamine {NDMA}	62–75–9	1	--	G, I
<i>N</i> -Nitrosodiphenylamine	86–30–6	1	1	F, G, <u>I</u>
<i>N</i> -Nitrosodi- <i>n</i> -propylamine {NDPA}	621–64–7	1	3	F, G, <u>I</u>
<i>N</i> -Nitrosopyrrolidine {NPYR}	930–55–2	1	3	F, G, I
Nodularian {NDLR}	118399–22–7	1	--	E
<i>cis</i> -Nonachlor	5103–73–1	--	1	B2
<i>trans</i> -Nonachlor	39765–80–5	--	1	B2
4-Nonylphenol (linear)	104–40–5	--	1	F
Nonylphenols (linear, mixed isomers)	25152–52–3	--	1	F
4-Nonylphenols (branched, mixed isomers)	84852–15–3	1	1	F, I
Nonylphenol derivatives sulfides	68515–93–5	--	1	F
4-Nonylphenol diethoxylates (mixed isomers) {NP2EO}	26027–38–2	1	1	F, I
$\alpha$ -(Nonylphenyl)- $\omega$ -hydroxy-poly(oxy-1,2-ethanediyl) (branched)	127087–87–0	--	1	F
Norethindrone {19-Norethindrone}	68–22–4	1	3	C
Norfluoxetine	56161–73–0 / 83891–03–6	1	1	C
Norflurazon	27314–13–2	1	3	B1, B2
Norverapamil	67814–42–4 / 67018–85–3	1	1	C
Novaluron	116714–46–6	1	1	B1, B2
1,2,3,4,6,7,8,9-Octabromodibenzo- <i>p</i> -dioxin {OBDD}	2170–45–8	--	1	F
1,2,3,4,6,7,8,9-Octabromodibenzofuran {OBDF}	103582–29–2	--	1	F
Octabromo-1,3,3-trimethyl-1-phenylindane	155613–93–7	--	1	F
1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin {OCDD}	3268–67–9	--	1	F
1,2,3,4,6,7,8,9-Octachlorodibenzofuran {OCDF}	39001–02–0	--	1	F
Octadecamethyloctasiloxane	556–69–4	--	1	F
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	2691–41–0	1	--	H

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Octamethylcyclotetrasiloxane	556–67–2	3	1	F, I
Octamethylcyclotetrasiloxane, silica, ammonia, and hexamethyldisilazane reaction product {OMSSA}	68937–51–9	--	1	F
Octamethyltrisiloxane	107–51–7	3	1	F, I
1-Octanol	111–87–5	1	--	H
Nonylphenol monoethoxylates (mixed isomers) {NP1EO}	27986–36–3 / 104–35–8	1	1	F, I
4-Octylphenols (mixed isomers)	140–66–9 and 1806–26–4	1	1	F, I
4- <i>n</i> -Octylphenols (linear)	1806–26–4	2	1	F, I
4- <i>tert</i> -Octylphenols (branched)	140–66–9	1	1	F, I
4- <i>tert</i> -Octylphenol diethoxylates {OP2EO}	2315–61–9 / 51437–90–2	1	1	F, I
4- <i>tert</i> -Octylphenol monoethoxylates {OP1EO}	2315–67–5 / 51437–89–9	1	1	F, I
$\alpha$ -Olefins (C20-24, linear)	93924–10–8	--	1	F
Oryzalin	19044–88–3	1	1	B1, B2
Oxadiazon	19666–30–9	3	1	B1, B2
Oxamyl	23135–22–0	1	3	B1, B2
Oxamyl oxime	30558–43–1	1	3	B1, B2
Oxirane	75–21–8	1	--	H
5-Oxo-1-(4-sulfophenyl)-4-[2-(4-sulfophenyl)diazen-1-yl]-4,5-dihydro-1H-pyrazole-3-carboxylic acid	34175–08–1	--	1	F
Oxychlorane	27304–13–8	--	1	B2
Oxycodone / Oxycodone hydrochloride	76–42–6 / 124–90–3	1	3	C
Oxyfluorfen	42874–03–3	1	1	B1, B2
Paclitaxel	76738–62–0	3	1	B1, B2
Paraoxon-methyl	950–35–6	1	3	B1, B2
Paraquat	4685–14–7	1	1	B1, B2
Parathion-methyl	298–00–0	1	1	B1, B2
Paroxetine hydrochloride / Paroxetine hydrochloride hemihydrate	61869–08–7 / 110429–35–1	1	1	C
PCB 22 {2,3,4'-Trichlorobiphenyl}	38444–85–8	--	1	F
PCB 28 {2,4,4'-Trichlorobiphenyl}	7012–37–5	--	1	F
PCB 44 {2,2',3,5'-Tetrachlorobiphenyl}	41464–39–5	--	1	F
PCB 49 {2,2',4,5'-Tetrachlorobiphenyl}	41464–40–8	--	1	F
PCB 52 {2,2',5,5'-Tetrachlorobiphenyl}	35693–99–3	--	1	F
PCB 60 {2,3',4,4'-Tetrachlorobiphenyl}	32598–10–0	--	1	F

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
PCB 70 {2,3',4',5-Tetrachlorobiphenyl}	32598-11-1	--	1	F
PCB 74 {2,4,4',5-Tetrachlorobiphenyl}	32690-93-0	--	1	F
PCB 77 {3,3',4,4'-Tetrachlorobiphenyl}	32598-13-3	--	1	F
PCB 81 {3,4,4',5-Tetrachlorobiphenyl}	70362-50-4	--	1	F
PCB 87 {2,2',3,4,5'-Pentachlorobiphenyl}	38380-02-8	--	1	F
PCB 95 {2,2',3,5',6-Pentachlorobiphenyl}	38379-99-6	--	1	F
PCB 99 {2,2',4,4',5-Pentachlorobiphenyl}	38380-01-7	--	1	F
PCB 101 {2,2',4,5,5'-Pentachlorobiphenyl}	37680-73-2	--	1	F
PCB 105 {2,3,3',4,4'-Pentachlorobiphenyl}	32598-14-4	--	1	F
PCB 110 {2,3,3',4',6-Pentachlorobiphenyl}	38380-03-9	--	1	F
PCB 114 {2,3,4,4',5-Pentachlorobiphenyl}	74472-37-0	--	1	F
PCB 118 {2,3',4,4',5-Pentachlorobiphenyl}	31508-00-6	--	1	F
PCB 123 {2,3',4,4',5'-Pentachlorobiphenyl}	65510-44-3	--	1	F
PCB 126 {3,3',4,4',5-Pentachlorobiphenyl}	57465-28-8	--	1	F
PCB 128 {2,2',3,3',4,4'-Hexachlorobiphenyl}	38380-07-3	--	1	F
PCB 138 {2,2',3,4,4',5' Hexachlorobiphenyl}	35065-28-2	--	1	F
PCB 146 {2,2',3,4',5,5'-Hexachlorobiphenyl}	51908-16-8	--	1	F
PCB 149 {2,2',3,4',5,6-Hexachlorobiphenyl}	38380-04-0	--	1	F
PCB 151 {2,2',3,5,5',6-Hexachlorobiphenyl}	52663-63-5	--	1	F
PCB 153 {2,2',4,4',5,5'-Hexachlorobiphenyl}	35065-27-1	--	1	F
PCB 156 {2,3,3',4,4',5-Hexachlorobiphenyl}	38380-08-4	--	1	F
PCB 157 {2,3,3',4,4',5'-Hexachlorobiphenyl}	69782-90-7	--	1	F
PCB 158 {2,3,3',4,4',6-Hexachlorobiphenyl}	74472-42-7	--	1	F
PCB 167 {2,3',4,4',5,5'-Hexachlorobiphenyl}	52663-72-6	--	1	F
PCB 169 {3,3',4,4',5,5'-Hexachlorobiphenyl}	32774-16-6	--	1	F
PCB 170 {2,2',3,3',4,4',5-Heptachlorobiphenyl}	35065-30-6	--	1	F
PCB 174 {2,2',3,3',4,5,6'-Heptachlorobiphenyl}	38411-25-5	--	1	F
PCB 177 {2,2',3,3',4,5',6'-Heptachlorobiphenyl}	52663-70-4	--	1	F
PCB 178 {2,2',3,3',5,5',6-Heptachlorobiphenyl}	52663-67-9	--	1	F
PCB 180 {2,2',3,4,4',5,5'-Heptachlorobiphenyl}	35065-29-3	--	1	F
PCB 183 {2,2',3,4,4',5,6-Heptachlorobiphenyl}	52663-69-1	--	1	F
PCB 187 {2,2',3,4',5,5',6-Heptachlorobiphenyl}	52663-68-0	--	1	F
PCB 189 {2,3,3',4,4',5,5'-Heptachlorobiphenyl}	39635-31-9	--	1	F
PCB 194 {2,2',3,3',4,4',5,5'-Octachlorobiphenyl}	35694-08-7	--	1	F
PCB 196 {2,2',3,3',4,4',5,6'-Octachlorobiphenyl}	42740-50-1	--	1	F
PCB 199 {2,2',3,3',4,5,5',6'-Octachlorobiphenyl}	52663-75-9	--	1	F
PCB 206 {2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl}	40186-72-9	--	1	F



**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Pebulate { <i>S</i> -Propyl butylethylthiocarbamate}	1114-71-2	3	1	B1, B2
Pendimethalin	40487-42-1	1	1	B1, B2
1,2,3,4,5-Pentabromo-6-chloro-cyclohexane	87-84-3	3	1	F, I
1,2,3,7,8-Pentabromodibenzo- <i>p</i> -dioxin {PeBDD}	109333-34-8	--	1	F
1,2,3,7,8-Pentabromodibenzofuran {1,2,3,7,8-PeBDF}	107555-93-1	--	1	F
2,3,4,7,8-Pentabromodibenzofuran {2,3,4,7,8-PeBDF}	131166-92-2	--	1	F
Pentabromoethylbenzene	85-22-3	--	1	F
Pentabromophenol	608-71-9	--	1	F
Pentabromotoluene	87-83-2	--	1	F
Pentachloroanisole {PCA}	1825-21-4	--	1	B2, F
Pentachlorobenzenethiol	133-49-3	--	1	F
2,3,3',4',5-Pentachloro-4-biphenylol {4-Hydroxy-PCB 107}	152969-11-4	--	1	F
1,2,3,7,8-Pentachlorodibenzo- <i>p</i> -dioxin {1,2,3,7,8-PeCDD}	40321-76-4	--	1	F
1,2,3,7,8-Pentachlorodibenzofuran {1,2,3,7,8-PeCDF}	57117-41-6	--	1	F
2,3,4,7,8-Pentachlorodibenzofuran {2,3,4,7,8-PeCDF}	57117-31-4	--	1	F
Pentachloronaphthalene (mixture of isomers)	1321-64-8	--	1	F
1,2,3,5,7-Pentachloronaphthalene {PCN 52}	53555-65-0	--	1	F
1,2,4,6,7-Pentachloronaphthalene {PCN 60}	150224-17-2	--	1	F
Pentachloronitrobenzene {PCNB}	82-68-8	3	1	B1, B2
Pentachlorophenol	87-86-5	1	1	F, I
2,3,4,5,6-Pentachloropyridine	2176-62-7	3	1	F, H
Pentanal	110-62-3	1	--	G
Pentane	109-66-0	1	--	H
4- <i>tert</i> Pentylphenol	80-46-6	--	1	F
Perchlorate	14797-73-0	1	--	<u>D1</u> , G, <u>I</u>
1 <i>H</i> ,1 <i>H</i> ,2 <i>H</i> ,2 <i>H</i> -Perfluoro-1-dodecanol {10:2 FTOH}	865-86-1	--	1	F
1 <i>H</i> ,1 <i>H</i> ,2 <i>H</i> ,2 <i>H</i> -Perfluorodecanol {8:2 FTOH}	678-39-7	--	1	F
Perfluoroheptanoic acid {PFHpA}	375-85-9	--	1	F
Perfluorooctane sulfonamide	754-91-6	--	1	F
Perfluorooctane sulfonic acid {PFOS}	1763-23-1	1	1	F, I
Perfluorooctanoic acid {PFOA}	335-67-1	1	1	F, I
1 <i>H</i> ,1 <i>H</i> ,2 <i>H</i> ,2 <i>H</i> -Perfluorooctanol {6:2 FTOH}	647-42-7	--	1	F
Permethrin (mixture of isomers)	52645-53-1	1	1	B1, B2
<i>cis</i> -Permethrin	61949-76-6	1	1	B1, B2
<i>trans</i> -Permethrin	61949-77-7	1	1	B1, B2
Perylene	198-55-0	--	1	F
Phenanthrene	85-01-8	1	1	F, I

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Phenanthridine	229–87–8	1	1	F, I
Phenmedipham	13684–63–4	3	1	B1, B2
Phenol	108–95–2	1	1	F, I
3-Phenoxybenzoic acid	3739–38–6	1	1	B1, B2
3-Phenoxybenzyl alcohol	13826–35–2	2	1	B1, B2
<i>N</i> -Phenylaniline	122–39–4	1	--	H
1-Phenyl-2,3-di(propan-2-yl)benzene	69009–90–1	--	1	F
<i>N</i> -Phenyl-2-naphthylamine	135–88–6	2	1	F, I
Phorate	298–02–2	1	1	B1, B2
Phorate oxon	2600–69–3	1	3	B1, B2
Phosmet	732–11–6	1	2	B1, B2
Phosmet oxon	3735–33–9	1	3	B1, B2
Pigment Brown 22 { <i>N, N'</i> -Bis(2,4-dinitrophenyl)-3,3'-dimethoxy-[1,1'-biphenyl]-4,4'-diamine}	29398–96–7	--	1	F
Piperonyl butoxide	51–03–6	1	3	B1, B2
Polonium-210 { <sup>210</sup> Po}	13981–52–7	1	--	J
Polybrominated biphenyls (mixture of isomers)	59536–65–1	--	1	F
Polychlorinated biphenyls (total) {total PCBs}	1336–36–3	1	1	F, I
Potassium perfluorooctane sulfonate	2795–39–3	--	1	F
Prodiamine	29091–21–2	3	1	B1, B2
Profenofos	41198–08–7	1	3	B1, B2
Promethazine	60–87–7 / 58–33–3	1	1	C
Prometon	1610–18–0	1	3	B1, B2
Prometryn	7287–19–6	1	1	B1, B2
Pronamide	23950–58–5	1	1	B1, B2
Propanil	709–98–8	1	3	B1, B2
2-Propanol	67–63–0	1	--	H
2-Propanone with diphenylamine	68412–48–6	--	1	F
Propargite	2312–35–8	1	1	B1, B2
Propazine	139–40–2	1	3	B1, B2
2-Propen-1-ol {Allyl alcohol}	107–18–6	1	--	I
<i>cis</i> -Propiconazole	60207–90–1	1	1	B1, B2
<i>trans</i> -Propiconazole	60207–90–1	1	1	B1, B2
Propoxur	114–26–1	1	3	B1, B2
Propoxyphene / Propoxyphene hydrochloride	469–62–5 / 1639–60–7	1	1	C
Propranolol hydrochloride	318–98–9 / 3506–09–0	1	3	C

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
<i>n</i> -Propyl acetate	109–60–4	1	--	H
Propylated triphenyl phosphate	68937–41–7	--	1	F
Prosulfuron	94125–34–5	1	3	B1, B2
Pymetrozine	123312–89–0	1	1	B1, B2
Pyraclostrobin	175013–18–0	1	1	B1, B2
Pyrene	129–00–0	1	1	F, I
Pyrethrins (mixture)	8003–34–7	1	3	B1, B2
Pyridaben	96489–71–3	1	1	B1, B2
Pyridine	110–86–1	1	--	H
Quinclorac	84087–01–4	3	1	B1, B2
Quinoline	91–22–5	1	1	F, I
Quinoxifen	124495–18–7	3	1	B1, B2
Radium-224 { <sup>224</sup> Ra}	13233–32–4	1	--	J
Radium-226 { <sup>226</sup> Ra}	13982–63–3	1	--	J
Radium-228 { <sup>228</sup> Ra}	15262–20–1	1	--	J
Radon-222 { <sup>222</sup> Rn}	14859–67–7	1	--	J
Ranitidine	66357–35–5	1	3	C
Resin and rosin acids, fumarated, barium salts	124751–15–1	--	1	F
Resin and rosin acids, fumarated, decyl esters	258342–84–6	--	1	F
Roxithromycin	80214–83–1	1	3	C
Saxitoxins	55803–44–6	1	--	E
Selenium	7782–49–2	1	2	D1, D2
Sertraline / Sertraline hydrochloride	79617–96–2 / 79559–97–0	1	1	C
Short-chain (C10-13) chlorinated paraffins {SCCPs}	85535–84–8	--	1	F
Siduron	1982–49–6	1	3	B1, B2
Simazine	122–34–9	1	3	B1, B2
β-Sitosterol	83–46–5	1	1	C
Sodium 3,3'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxy-2,7-naphthalenedisulfonate	68966–50–7	--	1	F
Sodium <i>N,N</i> -dimethylcarbamodithioate	128–04–1	1	--	H
Sodium lauryl sulfate	151–21–3	1	--	H
Sodium mercaptobenzothiazole	2492–26–4	1	--	H
Solvent Blue 5 {α,α-Bis[4-(diethylamino)phenyl]-4-(ethylamino)-1-naphthalenemethanol}	1325–86–6	3	1	F, I
Solvent Red 3 {4-((4-Ethoxyphenyl)azo)-1-naphthalenol}	6535–42–8	--	1	F
3β-Stigmastanol	19466–47–8	1	1	C
Strontium	7440–24–6	1	--	D1

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Styrenated phenols (mixture)	61788-44-1	3	1	F, I
Sulfamethazine	57-68-1	1	3	C
Sulfamethoxazole	723-46-6	1	3	C
Sulfometuron-methyl	74222-97-2	1	3	B1, B2
Sulfosulfuron	141776-32-1	1	3	B1, B2
Tallow alkyl ethoxylated phosphate amines	68308-48-5	--	1	F
Tartrazine {FD&C Yellow No. 5}	1934-21-0	3	1	F, H
Tebuconazole	107534-96-3	1	1	B1, B2
Tebufenozide	112410-23-8	2	1	B1, B2
Tebupirimfos	96182-53-5	1	1	B1, B2
Tebupirimfos oxon	Not available	1	1	B1, B2
Tebuthiuron	34014-18-1	1	3	B1, B2
Tefluthrin	79538-32-2	1	1	B1, B2
Tefluthrin metabolite [R 119364]	Not available	1	1	B1, B2
Tefluthrin metabolite [R 152912]	Not available	1	1	B1, B2
Tellurium	13494-80-9	1	--	D1
Terbacil	5902-51-2	1	3	B1, B2
Terbufos	13071-79-9	1	3	B1, B2
Terbufos-oxon-sulfone	56070-15-6	1	3	B1, B2
Terbufos sulfone	56070-16-7	1	3	B1, B2
Terbuthylazine	5915-41-3	1	1	B1, B2
Terbutylphenyl diphenyl phosphate	56803-37-3	--	1	F
Terphenyl	26140-60-3	--	1	F
$\alpha$ -Terpinol {2-(4-Methyl-1-cyclohex-3-enyl) propan-2-ol}	98-55-5	1	--	H
Tertiary dodecyl mercaptan {TDM}	25103-58-6	--	1	F
1,2,4,5-Tetrabromo-3,6-bis(pentabromophenoxy)benzene	58965-66-5	--	1	F
Tetrabromobisphenol-A {TBBPA}	79-94-7	--	1	F
2,3,7,8-Tetrabromodibenzofuran {TBDF}	67733-57-7	--	1	F
Tetrabromodichlorocyclohexane	30554-72-4	--	1	F
Tetrabromophenolphthalein ethyl ester {Malachite green oxalate}	1176-74-5	3	1	F, I
1,3,6,8-Tetrabromopyrene	128-63-2	--	1	F
2,3,7,8-Tetrabromodibenzo- <i>p</i> -dioxin {TBDD}	50585-41-6	--	1	F
Tetrabutyltin	1461-25-2	--	1	F
2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin {TCDD}	1746-01-6	1	1	F, I
2,3,7,8-Tetrachlorodibenzofuran {TCDF}	51207-31-9	--	1	F
Tetrachloroethene {Perchloroethene}	127-18-4	1	--	A
Tetrachloromethane {Carbon tetrachloride}	56-23-5	1	3	<u>A</u> , B2, G

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

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Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Tetrachloronaphthalene (mixture of isomers)	1335–88–2	--	1	F
1,2,3,4-Tetrachloronaphthalene {PCN 27}	20020–02–4	--	1	F
2,3,4,6-Tetrachlorophenol	58–90–2	2	1	F, I
3,3',4',5-Tetrachlorosalicylanilide	1154–59–2	3	1	F, I
Tetrachloroveratrole {1,2,3,4-Tetrachloro-5,6-dimethoxybenzene}	944–61–6	2	1	F, I
Tetraconazole	112281–77–3	1	1	B1, B2
Tetradifon	116–29–0	--	1	B2
Tetraethyl lead	78–00–2	2	1	F, I
1,2,3,4-Tetrahydronaphthalene	119–64–2	1	--	H
2,2,4,4-Tetramethyl-7-oxa-3,20-diazadispiro[5.1.11.2]-henicosan-21-one	64338–16–5	--	1	F
Tetraoctyltin	3590–84–9	--	1	F
Tetrapropenylphenol {TPP}	74499–35–7	--	1	F
2,4,6,8-Tetravinyl-2,4,6,8-tetramethylcyclotetrasiloxane	2554–06–5	--	1	F
Thallium	7440–28–0	1	--	D1
Thiazopyr	117718–60–2	2	1	B1, B2
Thiobencarb	28249–77–6	1	1	B1, B2
Thiobis[dodecylphenol] {Anion form of 26998–97–0}	28575–93–1	--	1	F
Toluene {Methylbenzene}	108–88–3	1	--	A
Toluene diisocyanate {2,4- and 2,6-Toluenediisocyanate mixture}	26471–62–5	1	--	I
<i>o</i> -Toluidine	95–53–4	1	--	I
Tolyltriazole {Methyl-1 <i>H</i> -benzotriazole}	29385–43–1	1	--	I
Tramadol	27203–92–5	1	3	C
Triadimenol	55219–65–3	3	1	B1, B2
Triallate	2303–17–5	1	1	B1, B2
Triamterene	396–01–0	1	3	C
Tribenuron-methyl	101200–48–0	1	3	B1, B2
Tribromomethane {Bromoform}	75–25–2	1	--	<u>A</u> , G
Tribufos {Tribuphos}	78–48–8	1	1	B1, B2
Tributyl phosphate	126–73–8	2	1	F, I
Tributyltin	688–73–3	--	1	F
Tributyltin chloride (Salt form of 688–73–3)	1461–22–9	--	1	F
Trichloroacetamide	594–65–0	1	--	G
Trichloroacetic acid	76–03–9	1	--	G
2,4,6-Trichloroaniline	634–93–5	3	1	F, I
1,1,1-Trichloroethane {1,1,1-TCA}	71–55–6	1	--	A
Trichloroethene	79–01–6	1	--	A
Trichloromethane {Chloroform}	67–66–3	1	--	<u>A</u> , G

**50     Prioritization of Constituents for National- and Regional-Scale Ambient Monitoring of Water and Sediment**

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Trichloronaphthalene	1321–65–9	--	1	F
Trichloro-2-phenoxyphenol	64111–81–5	--	1	F
1,2,3-Trichloropropane	96–18–4	1	3	A, B2
Trichloropropene sulfonic acid {TCPSA}	65600–62–6	1	1	B1, B2
Trichloroveratrole	16766–29–3	3	1	F, I
Triclocarban {3-(4-Chlorophenyl)-1-(3,4-dichlorophenyl)urea}	101–20–2	3	1	F, H
Triclopyr	55335–06–3	1	1	B1, B2
Triclosan	3380–34–5	1	1	F, I
Tricresyl phosphate	1330–78–5	--	1	F
Tri(dichlorisopropyl) phosphate	13674–87–8	1	--	I
Trifloxystrobin	141517–21–7	1	3	B1, B2
3-(Trifluoromethyl)aniline	98–16–8	1	3	B1, B2
3-(Trifluoromethyl)phenylurea	13114–87–9	1	3	B1, B2
Trifluralin	1582–09–8	1	1	B1, B2
Trimethoprim	738–70–5	1	3	C
S-(3-Trimethoxysilyl)propyl 19-isocyanato-11-(6-isocyanatohexyl)-10,12-dioxo-2,9,11,13-tetraazanonadecanethioate	85702–90–5	--	1	F
1,2,4-Trimethylbenzene	95–63–6	1	--	A
2,3,6-Trimethylnaphthalene	829–26–5	1	1	F, I
2,2,4-Trimethyl-1,3-pentanediolmono(2-methylpropanoate)	25265–77–4	1	--	H
2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-cyclotrisiloxane	2374–14–3	--	1	F
1,3,5-Trinitroperhydro-1,3,5-triazine	121–82–4	1	--	H
2,4,6-Trinitrotoluene {TNT}	118–96–7	1	--	I
Triphenylbismuthine	603–33–8	--	1	F
Triphenyl phosphate	115–86–6	1	1	B2, F, I
Triphenylphosphine	603–35–0	--	1	F
Triphenyl phosphite	101–02–0	--	1	F
Tris(2-butoxyethyl)phosphate	78–51–3	1	1	F, I
Tris(2-chloroethyl) phosphate	115–96–8	1	3	F, I
Tris(2,4-di- <i>tert</i> -butylphenyl) phosphite	31570–04–4	--	1	F
2,4,6-Tris(1,1-dimethylethyl)phenol	732–26–3	--	1	F
Tris(4-nonylphenyl) phosphite {TNPP}	26523–78–4	--	1	F
2-[[4-[1,2,2-Tris[4-(oxiran-2-ylmethoxy)phenyl]ethyl]phenoxy]methyl]oxirane	7328–97–4	--	1	F
Tri- <i>o</i> -tolyl phosphate	78–30–8	2	1	F, I
Trixylenyl phosphate	25155–23–1	--	1	F
Tylosin	1401–69–0	1	3	C
Uniconazole / Uniconazole-P	83657–22–1 / 83657–17–4	3	1	B1, B2

**Table 1.** Constituents identified as having high priority (Tier 1) for national- or regional-scale ambient monitoring of water or sediment in the United States.—Continued

[Tiers used to prioritize constituents are defined in the main body of the report; those identified as Tier 1 have a higher priority for monitoring than those identified as Tier 2 or Tier 3. An underlined constituent group is the preferred group in cases of differences in prioritization for the same matrix. Constituent groups: volatile organic compounds in water (A); pesticides in water (B1) or sediment (B2); pharmaceuticals and hormones in water or sediment (C); trace elements and other inorganic constituents in water (D1) or sediment (D2); cyanotoxins in surface water (E); lipophilic organic compounds in sediment (F); disinfection by-products in water (G); high-production-volume chemicals in water (H); wastewater-indicator and industrial compounds in water (I); and radionuclides in groundwater (J). CASRN, Chemical Abstracts Service Registry Number; --, constituent not evaluated for specified matrix; BDE, brominated diphenyl ether; C.I., Colour Index Constitution; FD&C, U.S. Food and Drug Administration Food, Drug, and Cosmetic Act; PCB, polychlorinated biphenyl]

Constituent name {abbreviation or other name}	CASRN <sup>1</sup>	Tier for water	Tier for sediment	Constituent group(s)
Uranium	7440–61–1	1	--	D1
Uranium-234 { <sup>234</sup> U}	13966–29–5	1	--	J
Uranium-235 { <sup>235</sup> U}	15117–96–1	1	--	J
Uranium-238 { <sup>238</sup> U}	24678–82–8	1	--	J
Urethane	51–79–6	1	3	F, I
Valsartan	137862–53–4	1	3	C
Vanadium	7440–62–2	1	--	D1
Venlafaxine	93413–69–5	1	3	C
Verapamil / Verapamil hydrochloride	52–53–9 / 152–11–4	1	1	C
Veratrine {Sabadilla total alkaloids}	8051–02–3	3	1	B1, B2
Vinclozolin	50471–44–8	2	1	B1, B2
Vinyl neodecanoate	51000–52–3	2	1	F, I
Warfarin	81–81–2	1	3	C
<i>o</i> -Xylene {1,2-Dimethylbenzene}	95–47–6	1	--	A
<i>m</i> - and <i>p</i> -Xylenes {1,3- and 1,4-Dimethylbenzene}	108–38–3 & 106–42–3 / 179601–23–1	1	--	A, H
Zinc	7440–66–6	1	1	B1, B2, <u>D1</u> , <u>D2</u>
Zinc bis[bis(tetrapropylphenyl)] bis(hydrogen dithiophosphate)	11059–65–7	--	1	F
Zinc bis(1,3-dimethylbutyl) dithiophosphate	2215–35–2	--	1	F
Zinc bis[ <i>O</i> -(6-methylheptyl)] bis[ <i>O</i> -( <i>sec</i> -butyl)] bis(dithiophosphate)	93819–94–4	--	1	F
Ziram	137–30–4	1	3	B1, B2

<sup>1</sup>This report contains Chemical Abstracts Service Registry Numbers (CASRN)<sup>®</sup>, which is a registered trademark of the American Chemical Society. The CASRN online database provides the latest registry number information: <http://www.cas.org/>. Chemical Abstracts Service recommends the verification of the CASRNs through CAS Client Services<sup>SM</sup>.