

Mussel Watch Program Analyte List

Major and trace elements

Symbol	Element	Symbol	Element	Symbol	Element
Al	Aluminum	Si	Silicon	Cr	Chromium
Mn	Manganese	Fe	Iron	Ni	Nickel
Cu	Copper	Zn	Zinc	As	Arsenic
Se	Selenium	Sn	Tin	Sb	Antimony
Ag	Silver	Cd	Cadmium	Hg	Mercury
Tl	Thallium	Pb	Lead		

Polycyclic aromatic hydrocarbons

Analytes	CAS Numbers*	Analytes	CAS Numbers*
Acenaphthene	83-32-9	Fluoranthene	206-44-0
Acenaphthylene	208-96-8	Fluorene	86-73-7
Anthracene	120-12-7	Indeno[1,2,3- <i>cd</i>]pyrene	193-39-5
Benz[<i>a</i>]anthracene	56-55-3	1-Methylnaphthalene	90-12-0
Benzo[<i>a</i>]pyrene	50-32-8	2-Methylnaphthalene	91-57-6
Benzo[<i>e</i>]pyrene	192-97-2	1-Methylphenanthrene	832-69-9
Benzo[<i>b</i>]fluoranthene	205-99-2	Naphthalene	91-20-3
Benzo[<i>k</i>]fluoranthene	207-08-9	Perylene	198-55-0
Benzo[<i>ghi</i>]perylene	191-24-2	Phenanthrene	85-01-8
Biphenyl	92-52-4	Pyrene	129-00-0
Chrysene	218-01-9	1,6,7-Trimethylnaphthalene	2245-38-7
Dibenz[<i>a,h</i>]anthracene	53-70-3	2,6-Dimethylnaphthalene	581-42-0

*Chemical Abstracts Service Registry Numbers

Chlorinated pesticides determined

Analytes	CAS Numbers*
Aldrin	309-00-2
<i>cis</i> -Chlordane	5103-71-9
2,4'-DDD	53-19-0
4,4'-DDD	72-54-8
2,4'-DDE	3424-82-6
4,4'-DDE	72-55-9
2,4'- DDT	58633-27-5
4,4'-DDT	50-29-3
Dieldrin	60-57-1
Endrin	72-20-8
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-4
Hexachlorobenzene	118-74-1
gamma-HCH	58-89-9
Mirex	2385-85-5
<i>trans</i> -Nonachlor	39765-80-5

*Chemical Abstracts Service Registry Numbers

Polychlorinated biphenyls

Individual congeners	IUPAC Numbers	CAS registry numbers*
2,4'-Dichlorobiphenyl	8	34883-43-7
2,2',5-Trichlorobiphenyl	18	37680-65-2
2,4,4'-Trichlorobiphenyl	28	7012-37-5
2,2',3,5'-Tetrachlorobiphenyl	44	41464-39-5
2,2',5,5'-Tetrachlorobiphenyl	52	35693-99-3
2,3',4,4'-Tetrachlorobiphenyl	66	32598-10-0
3,3',4,4'-Tetrachlorobiphenyl	77(110*)	32598-13-3 (38380-03-9)
2,2',4,5,5'-Pentachlorobiphenyl	101	37680-73-2
2,3,3',4,4'-Pentachlorobiphenyl	105	32598-14-4
2,3',4,4',5-Pentachlorobiphenyl	118	31508-00-6
3,3',4,4',5-Pentachlorobiphenyl	126	57465-28-8
2,2',3,3',4,4'-Hexachlorobiphenyl	128	38380-07-3
2,2',3,4,4',5'-Hexachlorobiphenyl	138	35065-28-2
2,2',4,4',5,5'-Hexachlorobiphenyl	153	35065-27-1
2,2',3,3',4,4',5-Heptachlorobiphenyl	170	35065-30-6
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	36065-29-3
2,2',3,4',5,5',6-Heptachlorobiphenyl	187	52663-68-0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	52663-78-2
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	40186-72-9
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	2051-24-3

*Chemical Abstracts Service Registry Numbers

Organometallic compounds

Organotins	CAS Numbers*
Monobutyltin trichloride	1118-46-3
Dibutyltin dichloride	683-18-1
Tributyltin chloride	1461-22-9
Tetrabutyltin	1461-25-2

*Chemical Abstracts Service Registry Numbers

Substituted polycyclic aromatic hydrocarbons.

Analytes	Analytes
C1 - Naphthalenes	C4- Phenanthrenes + anthracene
C2 - Naphthalenes	Dibenzothiophene
C3 - Naphthalenes	C1 - Dibenzothiophenes
C4 - Naphthalenes	C2 - Dibenzothiophenes
C1 - Fluorenes	C3 - Dibenzothiophenes
C2 - Fluorenes	C1 - Fluoranthene + pyrenes
C3 - Fluorenes	C1 - Chrysenes
C1 - Phenanthrenes + anthracene	C2 - Chrysenes
C2 - Phenanthrenes + anthracene	C3 - Chrysenes
C3 - Phenanthrenes + anthracene	C4 - Chrysenes

