



Contaminants monitored

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Contaminants monitored

The TBIOS team measures a wide range of toxic contaminants across a broad group of organisms, including Pacific herring, English sole, blue mussels, and Pacific salmon. Below is a list of contaminant groups we typically monitor in Puget Sound.

Contaminants Currently Monitored

Group Name	Analytes	Typical Biota Monitored
Persistent Organic Pollutants	11 Polybrominated diphenylethers or PBDEs	fish and invertebrates
Persistent Organic Pollutants	40 Polychlorinated Biphenyls or PCBs	fish and invertebrates
Organochlorine Pesticides	DDTs, DDDs, DDEs, chlordanes, hexachlorocyclohexanes, hexachlorobenzene, Aldrin, Dieldrin, Endosulfan I, and Mirex	fish and invertebrates
Polycyclic Aromatic Hydrocarbons	42 PAHs	invertebrates
Polycyclic Aromatic Hydrocarbons	Metabolites of PAHs	fish bile

Aquatic invasive species (/ species-habitats/ invasive)

Group Name	Analytes	Typical Biota Monitored
Inorganic Metals	Mercury, lead, cadmium, arsenic, zinc, copper, chromium	fish and mussels

Wildlife diseases (/ species-habitats/ diseases)

Contaminants of Emerging Concern (newly developed or employed analyses, or analyses being developed)

Amphibians and reptiles of Washington (/ species-habitats/ amphibians-reptiles)

Group Name	Analytes	Typical Biota Monitored
Estrogenic compounds	Bisphenols, synthetic and natural estrogens	fish and mussels
Pharmaceuticals and Personal Care Products	142 compounds	fish and mussels
Perfluorinated Chemicals	13 compounds including perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS)	fish and mussels
Alkylphenols	4-nonylphenol (NP), 4-n-octylphenol (OP), 4-nonylphenol monoethoxylate (NP1EO) and 4-nonylphenyl diethoxylate (NP2EO)	fish and mussels
Current Use Pesticides	Organochlorine, organophosphorus, organonitrogen, triazine, and pyrethroid pesticides	fish and mussels

Marine toxic contaminants (/species-habitats/ science/ marine-toxics)

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