

Terminology Services - Terminology and Acronyms Report

| Term | Acronym | Vocabulary | Vocabulary Type | Preferred Term |
|---|---------|--|----------------------------|----------------|
| Bioconcentration | | Waste and Cleanup Risk Assessment Glossary | Glossary and Key Word List | |
| Definition: A process by which there is a net accumulation of a chemical directly from an exposure medium into an organism. | | | | |
| Bioconcentration | | Drinking Water Technical & Legal Terms | Glossary and Key Word List | |
| Definition: The accumulation of a chemical in tissues of an organism (such as fish) to levels that are greater than the level in the medium (such as water) in which the organism resides. | | | | |
| Bioconcentration | | EPA ExpoBox Terminology | Glossary and Key Word List | |
| Definition: Direct transfers of the chemical from the surrounding environmental medium into the plant or animal (e.g., a chemical that is transferred from soil into a plant through its roots); for animals, it does not account for uptake by ingestion; for a fish, bioconcentration of a substance in the water includes direct uptake from water through its gills. | | | | |
| Bioconcentration | | Ecological Risk Assessment Glossary of Terms | Glossary and Key Word List | |
| Definition: Bioaccumulation is the general term describing a process by which chemicals are taken up by a plant or animal either directly from exposure to a contaminated medium (soil, sediment, water) or by eating food containing the chemical. Related terms are bioconcentration in which chemicals are absorbed by an animal or plant to levels higher than the surrounding environment; and biomagnification, in which chemical levels in plants or animals increase from transfer through the food web (e.g., predators have greater concentrations of a particular chemical than their prey). | | | | |
| Bioconcentration | | Aquatic Biodiversity Glossary | Glossary and Key Word List | |

Search Criteria:

Search String: bioconcentration (Contains)

Include Acronyms: true

Include Terms: true

Only Return Terms With Definitions: true

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| Definition: The accumulation of a chemical in tissues of an organism (such as a fish) to levels greater than in the surrounding medium in which the organism lives. | | | | |
| Bioconcentration | | Terms of Environment | Glossary and Key Word List | |
| Definition: The accumulation of a chemical in tissues of a fish or other organism to levels greater than in the surrounding medium. | | | | |
| bioconcentration | | Thesaurus of Terms Used in Microbial Risk Assessment | Thesaurus | |
| Definition 1: The net accumulation of a substance by an organism as a result of uptake directly from an environmental medium (e.g., net accumulation by an aquatic organism as a result of uptake directly from ambient water, through gill membranes or other external body surfaces). [EPA 2004] | | | | |
| Definition 2: The tendency of a chemical to accumulate in a living organism to levels in excess of the concentration in its surrounding environment. [AIHA 2000] | | | | |
| Bioconcentration factor | BCF | EPA ExpoBox Terminology | Glossary and Key Word List | |
| Definition: The ratio of the chemical concentration in the animal (e.g., fish) or plant to the chemical concentration in the surrounding environmental media (e.g., water, soil). | | | | |
| bioconcentration factor | BCF | Thesaurus of Terms Used in Microbial Risk Assessment | Thesaurus | |
| Definition: The concentration of a substance in tissue of an organism divided by the concentration in an environmental medium (e.g., the concentration of a substance in an aquatic organism divided by the concentration in the ambient water, in situations where the | | | | |

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| organism is exposed through the water only). [EPA 2004] | | | | |
| Bioconcentration Factor | BCF | Pesticides Reregistration Glossary | Glossary and Key Word List | |
| Bioconcentration Factor | BCF | Hazard Ranking System Glossary | Glossary and Key Word List | |
| Bioconcentration Factor | BCF | Environmentally Preferable Purchasing (EPP) Glossary | Glossary and Key Word List | |
| Definition: Ratio of the concentration of a chemical in an organism to the concentration of the chemical in its surrounding aqueous environment. BCF values are surrogate measures of the bioaccumulation potential of a chemical in organisms in the environment. | | | | |
| Baseline Bioconcentration Factor | Baseline BCF | EPA EV-Regulatory Activities-Regulatory Quantities | Taxonomy | |
| Definition: For organic chemicals, a BCF that is based on the concentration of freely dissolved chemical in the ambient water and takes into account the partitioning of the chemical within the organism; for inorganic chemicals, a BCF that is based on the wet weight of the tissue. [40 CFR Appendix B to Part 132 (CFR 2013)] | | | | |
| Bioconcentration | | EPA EV-Biological Substances- Human/Animal Systems &Processes | Taxonomy | |
| Definition 1: In which chemicals are absorbed by an animal or plant to levels higher than the surrounding environment.[Ecological Risk Assessment Glossary of Terms] | | | | |

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| Definition 2: "A process leading to a higher concentration of a substance in an organism than in environmental media to which it is exposed (after WHO, 1979)." - International Union of Pure and Applied Chemistry, 1993 [USGS Toxic Substances Hydrology Program Definitions] | | | | |
| Definition 3: Net accumulation of a substance by an aquatic organism as a result of uptake directly from the ambient water through gill membranes or other external body surfaces. [40 CFR 132.2][40 CFR Appendix B to Part 132] | | | | |
| Definition 4: Accumulation of a chemical in tissues of an organism (such as a fish) to levels greater than in the surrounding medium in which the organism lives. [Aquatic Biodiversity Glossary] | | | | |
| Definition 5: The net accumulation of a substance by an organism as a result of uptake directly from an environmental medium (e.g., net accumulation by an aquatic organism as a result of uptake directly from ambient water, through gill membranes or other external body surfaces). [EPA 2004][Thesaurus of Terms Used in Microbial Risk Assessment] | | | | |
| Definition 6: The tendency of a chemical to accumulate in a living organism to levels in excess of the concentration in its surrounding environment. [AIHA 2000][Thesaurus of Terms Used in Microbial Risk Assessment] | | | | |
| Definition 7: Direct transfers of the chemical from the surrounding environmental medium into the plant or animal (e.g., a chemical that is transferred from soil into a plant through its roots); for animals, it does not account for uptake by ingestion; for a fish, bioconcentration of a substance in the water includes direct uptake from water through its gills. [ExpoBox Terminology] | | | | |

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