

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

Acenaphthene

Synonyms and/or acronyms: PAHs

Parameter 1: ORGANIC

Parameter 2: Polyaromatic compounds

Parameter 3: Polycyclic aromatic hydrocarbons

Water Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

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Freshwater

Concentration (µg/L)	5.8
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Interim guideline.

Date	1999
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Marine

Concentration (µg/L)	Insufficient data
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Date	1999
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Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	No data
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Date	No data
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Livestock

Concentration (µg/L)	No data
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Date	No data
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Sediment Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

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Freshwater

Concentration (µg/kg dry weight) - ISQG	6.71
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Provisional: adoption of marine ISQG

Concentration (µg/kg dry weight) - PEL	88.9
Provisional: adoption of marine PEL	
Date	1998

Marine

Concentration (µg/kg dry weight) - ISQG	6.71		
Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL
Polycyclic aromatic hydrocarbons (PAHs)			
Acenaphthene	8	29	57
Acenaphthylene	7	14	51
Anthracene	9	20	75
Benz(a)anthracene	9	16	78
Benzo(a)pyrene	8	22	71
Chrysene	9	19	72
Dibenz(a,h)anthracene	16	12	65
Fluoranthene	10	20	80
Fluorene	12	20	70
2-Methylnaphthalene	0	23	82
Naphthalene	3	19	71
Phenanthrene	8	23	78
Pyrene	7	19	83

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Date	1998
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Soil Quality for the Protection of Environmental and Human Health

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

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Concentration (mg/kg dry weight) - Agricultural [Consult Factsheet](#)

Consult the 2008 Polycyclic Aromatic Hydrocarbons factsheet, or the 2008 PAH Scientific Supporting Document (http://www.ccme.ca/publications/ceqg_rcqe.html?category_id=125) for

guidance.	
Concentration (mg/kg dry weight) - Residential / parkland	Consult Factsheet
Consult the 2008 Polycyclic Aromatic Hydrocarbons factsheet, or the 2008 PAH Scientific Supporting Document (http://www.ccme.ca/publications/ceqg_rcqe.html?category_id=125) for guidance.	
Concentration (mg/kg dry weight) - Commercial	Consult Factsheet
Consult the 2008 Polycyclic Aromatic Hydrocarbons factsheet, or the 2008 PAH Scientific Supporting Document (http://www.ccme.ca/publications/ceqg_rcqe.html?category_id=125) for guidance.	
Concentration (mg/kg dry weight) - Industrial	Consult Factsheet
Consult the 2008 Polycyclic Aromatic Hydrocarbons factsheet, or the 2008 PAH Scientific Supporting Document (http://www.ccme.ca/publications/ceqg_rcqe.html?category_id=125) for guidance.	
Date	2008
Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota	
Concentration (µg/kg diet wet weight)	No data
Date	No data