

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.

Acenaphthylene

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

Freshwater

Concentration (µg/L)	<i>No data</i>
Date	1999

Marine

Concentration (µg/L)	<i>No data</i>
Date	1999

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	<i>No data</i>
Date	<i>No data</i>

Livestock

Concentration (µg/L)	<i>No data</i>
Date	<i>No data</i>

Sediment Quality for the Protection of Aquatic Life

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

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Factsheet](#)

Freshwater

Concentration (µg/kg dry weight) - ISQG	5.87
Provisional: adoption of marine ISQG	
Concentration (µg/kg dry weight) - PEL	128
Provisional: adoption of marine PEL	

Date

1998

Marine

Concentration (µg/kg dry weight) - ISQG

5.87

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

Concentration (µg/kg dry weight) - PEL

128

Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL
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Date

1998

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