



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3317
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: September 19, 2017
Valid To: August 1, 2019

Scope of Accreditation

Food (Organic)

Brominated Flame Retardants - Meat, Fish, Eggs, Dairy, Fish Oil, Vegetable Oil, Plants, Vegetation, Nut Butters, Seeds (021)

SOP LAB06F/GC-HRMS; modified from EPA 1614

HRGC/HRMS-EXTRACTION

2,2',3,3',4,4',5,5',6-NoBDE

2,2',3,3',4,4',5,5',6,6'-DeBDE

2,2',3,3',4,4',5,6'-OcbDE

2,2',3,3',4,4',5,6,6'-NoBDE

2,2',3,3',4,4',6-HpBDE

2,2',3,3',4,4',6,6'-OcbDE

2,2',3,3',4,5',6,6'-OcbDE

2,2',3,3',4,5,5',6,6'-NoBDE

2,2',3,4,4',5',6-HpBDE

2,2',3,4,4',5'-HxBDE

2,2',3,4,4',5,5',6-OcbDE

2,2',3,4,4',5,5'-HpBDE

2,2',3,4,4',5,6,6'-OcbDE

2,2',3,4,4',6'-HxBDE

2,2',3,4,4',6-HxBDE

2,2',3,4,4',6,6'-HpBDE

2,2',3,4,4'-PeBDE

2,2',4-TrBDE

2,2',4,4',5-PeBDE

2,2',4,4',5,5'-HxBB

2,2',4,4',5,5'-HxBDE

2,2',4,4',5,6'-HxBDE

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2,2',4,4',6-PeBDE
2,2',4,4'-TeBDE
2,2',4,5'-TeBDE
2,3',4',6-TeBDE
2,3',4,4',6-PeBDE
2,3',4,4'-TeBDE
2,3,3',4,4',5',6-HpBDE
2,3,3',4,4',5,3',4,4',5,5'-HxBDE
2,3,3',4,4',5,5',6-OcBDE
2,4-DiBDE
2,4,4'-TrBDE
2,4,6-TrBDE
2,6-DiBDE
3,3',4,4',5-PeBDE
3,3',4,4'-TeBDE
4,4'-DiBDE
DeBDE

Food (Organic)

Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Food (011)
SOP LAB01F; modified from EPA 1613B
HRGC/HRMS-EXTRACTION

1,2,3,4,6,7,8-HpCDD
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8-HxCDD
1,2,3,4,7,8-HxCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,6,7,8-HxCDD
1,2,3,6,7,8-HxCDF
1,2,3,7,8-PeCDD
1,2,3,7,8-PeCDF
1,2,3,7,8,9-HxCDD
1,2,3,7,8,9-HxCDF
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-TCDD
2,3,7,8-TCDF
Octachlorodibenzo-p-dioxin (OCDD)
Octachlorodibenzofuran (OCDF)
Total HpCDD
Total HpCDF
Total HxCDD
Total HxCDF
Total PeCDD
Total PeCDF
Total TCDD
Total TCDF

Food (Organic)

Polychlorinated Biphenyls (PCB) - Food (012)
SOP LAB02F; modified from EPA 1668C
HRGC/HRMS-EXTRACTION

2-MoCB (PCB-001)
2,2',3-TrCB (PCB-016)
2,2',3,3',4-PeCB (PCB-082)

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2,2',3,3',4,4',5-HpCB (PCB-170)
 2,2',3,3',4,4',5,5',6-NoCB (PCB-206)
 2,2',3,3',4,4',5,5',6,6'-DeCB (PCB-209)
 2,2',3,3',4,4',5,5'-OcCB (PCB-194)
 2,2',3,3',4,4',5,6'-OcCB (PCB-196)
 2,2',3,3',4,4',5,6-OcCB (PCB-195)
 2,2',3,3',4,4',5,6,6'-NoCB (PCB-207)
 2,2',3,3',4,4',6-HpCB (PCB-171)
 2,2',3,3',4,4',6,6'-OcCB (PCB-197)
 2,2',3,3',4,4'/2,3,3',4',5,5'-HxCB (PCB-128/162)
 2,2',3,3',4,5',6'-HpCB (PCB-177)
 2,2',3,3',4,5',6-HpCB (PCB-175)
 2,2',3,3',4,5',6,6'-OcCB (PCB-201)
 2,2',3,3',4,5'-HxCB (PCB-130)
 2,2',3,3',4,5-HxCB (PCB-129)
 2,2',3,3',4,5,5',6'-OcCB (PCB-199)
 2,2',3,3',4,5,5',6-OcCB (PCB-198)
 2,2',3,3',4,5,5',6,6'-NoCB (PCB-208)
 2,2',3,3',4,5,5'-HpCB (PCB-172)
 2,2',3,3',4,5,6'-HpCB (PCB-174)
 2,2',3,3',4,5,6-HpCB (PCB-173)
 2,2',3,3',4,5,6,6'-OcCB (PCB-200)
 2,2',3,3',4,6'/2,3,3',4,5',6-HxCB (PCB-132/161)
 2,2',3,3',4,6/2,2',3,3',5,5'-HxCB (PCB-131/133)
 2,2',3,3',4,6,6'-HpCB (PCB-176)
 2,2',3,3',5-PeCB (PCB-083)
 2,2',3,3',5,5',6-HpCB (PCB-178)
 2,2',3,3',5,5',6,6'-OcCB (PCB-202)
 2,2',3,3',5,6'-HxCB (PCB-135)
 2,2',3,3',5,6-HxCB (PCB-134)
 2,2',3,3',5,6,6'-HpCB (PCB-179)
 2,2',3,3',6/2,3',4,5',6-PeCB (PCB-084/121)
 2,2',3,3',6,6'/2,2',3,4',5,6'-HxCB (PCB-136/148)
 2,2',3,3'-TeCB (PCB-040)
 2,2',3,4',5-PeCB (PCB-090)
 2,2',3,4',5,5'-HxCB (PCB-146)
 2,2',3,4',5,6-HxCB (PCB-147)
 2,2',3,4',5,6,6'-HpCB (PCB-188)
 2,2',3,4',6-PeCB (PCB-091)
 2,2',3,4',6,6'-HxCB (PCB-150)
 2,2',3,4'-TeCB (PCB-042)
 2,2',3,4'-TeCB (PCB-041)
 2,2',3,4,4',5',6-HpCB (PCB-183)
 2,2',3,4,4',5'-HxCB (PCB-138)
 2,2',3,4,4',5-HxCB (PCB-137)
 2,2',3,4,4',5,5',6-OcCB (PCB-203)
 2,2',3,4,4',5,5'-HpCB (PCB-180)
 2,2',3,4,4',5,6'/2,2',3,4',5,5',6-HxCB (PCB-182/187)
 2,2',3,4,4',5,6-HpCB (PCB-181)
 2,2',3,4,4',5,6,6'-OcCB (PCB-204)
 2,2',3,4,4',6'-HxCB (PCB-140)
 2,2',3,4,4',6/2,2',3,4',5',6-HxCB (PCB-139/149)
 2,2',3,4,4',6,6'-HpCB (PCB-184)

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2,2',3,4,4'-PeCB (PCB-085)
2,2',3,4,5',6-HxCB (PCB-144)
2,2',3,4,5'/2,3,4,4',6'-PeCB (PCB-087/115)
2,2',3,4,5'/2,2',3,4',5'/2,3,4',5,6'-PeCB (PCB-086/097/117)
2,2',3,4,5,5',6-HpCB (PCB-185)
2,2',3,4,5,5'-HxCB (PCB-141)
2,2',3,4,5,6'-HxCB (PCB-143)
2,2',3,4,5,6-HxCB (PCB-142)
2,2',3,4,5,6,6'-HpCB (PCB-186)
2,2',3,4,6'-PeCB (PCB-089)
2,2',3,4,6'-PeCB (PCB-088)
2,2',3,4,6,6'-HxCB (PCB-145)
2,2',3,5',6'-PeCB (PCB-095)
2,2',3,5'-TeCB (PCB-044)
2,2',3,5-TeCB (PCB-043)
2,2',3,5,5',6-HxCB (PCB-151)
2,2',3,5,5'-PeCB (PCB-092)
2,2',3,5,6'-PeCB (PCB-094)
2,2',3,5,6/2,2',3,4',6'/2,2',4,5,6'-PeCB (PCB-093/098/102)
2,2',3,5,6,6'-HxCB (PCB-152)
2,2',3,6'-TeCB (PCB-046)
2,2',3,6-TeCB (PCB-045)
2,2',3,6,6'-PeCB (PCB-096)
2,2',4-TrCB (PCB-017)
2,2',4,4',5-PeCB (PCB-099)
2,2',4,4',5,5'-HxCB (PCB-153)
2,2',4,4',5,6'-HxCB (PCB-154)
2,2',4,4',6-PeCB (PCB-100)
2,2',4,4',6,6'-HxCB (PCB-155)
2,2',4,4'/2,2',4,5-TeCB (PCB-047/048)
2,2',4,5',6-PeCB (PCB-103)
2,2',4,5'-TeCB (PCB-049)
2,2',4,5,5'-PeCB (PCB-101)
2,2',4,6'-TeCB (PCB-051)
2,2',4,6-TeCB (PCB-050)
2,2',4,6,6'-PeCB (PCB-104)
2,2',5-TrCB (PCB-018)
2,2',5,5'/2,3',4,6-TeCB (PCB-052/069)
2,2',5,6'-TeCB (PCB-053)
2,2',6-TrCB (PCB-019)
2,2',6,6'-TeCB (PCB-054)
2,2'-DiCB (PCB-004)
2,3',4',5'-TeCB (PCB-076)
2,3',4',5-TeCB (PCB-070)
2,3',4',5,5'-PeCB (PCB-124)
2,3',4',6-TeCB (PCB-071)
2,3',4-TrCB (PCB-025)
2,3',4,4',5',6-HxCB (PCB-168)
2,3',4,4',5'-PeCB (PCB-123)
2,3',4,4',5-PeCB (PCB-118)
2,3',4,4',5,5'-HxCB (PCB-167)
2,3',4,4'-TeCB (PCB-066)
2,3',4,5'-TeCB (PCB-068)

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2,3',4,5-TeCB (PCB-067)
2,3',4,5,5'-PeCB (PCB-120)
2,3',5',6-TeCB (PCB-073)
2,3',5'-TrCB (PCB-034)
2,3',5-TrCB (PCB-026)
2,3',6-TrCB (PCB-027)
2,3'-DiCB (PCB-006)
2,3/2,4'-DiCB (PCB-005/008)
2,3,3',4',5'-PeCB (PCB-122)
2,3,3',4',5/2,3,3',4,5'-PeCB (PCB-107/108)
2,3,3',4',5,5',6-HpCB (PCB-193)
2,3,3',4',5,6/2,3,3',4',5',6-HxCB (PCB-163/164)
2,3,3',4',6-PeCB (PCB-110)
2,3,3',4'-TeCB (PCB-056)
2,3,3',4-TeCB (PCB-055)
2,3,3',4,4',5',6-HpCB (PCB-191)
2,3,3',4,4',5'-HxCB (PCB-157)
2,3,3',4,4',5-HxCB (PCB-156)
2,3,3',4,4',5,5',6-OcCB (PCB-205)
2,3,3',4,4',5,5'-HpCB (PCB-189)
2,3,3',4,4',5,6-HpCB (PCB-190)
2,3,3',4,4',6-HxCB (PCB-158)
2,3,3',4,4'/3,3',4,5,5'-PeCB (PCB-105/127)
2,3,3',4,5-PeCB (PCB-106)
2,3,3',4,5,5',6-HpCB (PCB-192)
2,3,3',4,5,5'-HxCB (PCB-159)
2,3,3',4,5,6-HxCB (PCB-160)
2,3,3',4,6-PeCB (PCB-109)
2,3,3',5',6-PeCB (PCB-113)
2,3,3',5'-TeCB (PCB-058)
2,3,3',5-TeCB (PCB-057)
2,3,3',5,5',6-HxCB (PCB-165)
2,3,3',5,5'-PeCB (PCB-111)
2,3,3',5,6/2,3',4,4',6-PeCB (PCB-112/119)
2,3,3',6-TeCB (PCB-059)
2,3,3'/2,3',4'TrCB (PCB-020/033)
2,3,4',5-TeCB (PCB-063)
2,3,4',6/2,3',5,5'-TeCB (PCB-064/072)
2,3,4'-TrCB (PCB-022)
2,3,4-TrCB (PCB-021)
2,3,4,4',5-PeCB (PCB-114)
2,3,4,4',5,6-HxCB (PCB-166)
2,3,4,4'-TeCB (PCB-060)
2,3,4,5-TeCB (PCB-061)
2,3,4,5,6/2,3',4',5',6-PeCB (PCB-116/125)
2,3,4,6-TeCB (PCB-062)
2,3,5-TrCB (PCB-023)
2,3,5,6/2,4,4',6-TeCB (PCB-065/075)
2,3,6-TrCB (PCB-024)
2,4',5-TrCB (PCB-031)
2,4',6-TrCB (PCB-032)
2,4-DiCB (PCB-007)
2,4,4',5-TeCB (PCB-074)

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2,4,4'-TrCB (PCB-028)
2,4,5-TrCB (PCB-029)
2,4,6-TrCB (PCB-030)
2,5-DiCB (PCB-009)
2,6-DiCB (PCB-010)
3-MoCB (PCB-002)
3,3',4-TrCB (PCB-035)
3,3',4,4',5-PeCB (PCB-126)
3,3',4,4',5,5'-HxCB (PCB-169)
3,3',4,4'-TeCB (PCB-077)
3,3',4,5'-TeCB (PCB-079)
3,3',4,5-TeCB (PCB-078)
3,3',5-TrCB (PCB-036)
3,3',5,5'-TeCB (PCB-080)
3,3'-DiCB (PCB-011)
3,4',5-TrCB (PCB-039)
3,4/3,4'-DiCB (PCB-012/013)
3,4,4',5-TeCB (PCB-081)
3,4,4'-TrCB (PCB-037)
3,4,5-TrCB (PCB-038)
3,5-DiCB (PCB-014)
4-MoCB (PCB-003)
4,4'-DiCB (PCB-015)
Total Dichlorobiphenyls
Total Heptachlorobiphenyls
Total Hexachlorobiphenyls
Total Monochlorobiphenyls
Total Nonachlorobiphenyls
Total Octachlorobiphenyls
Total Pentachlorobiphenyls
Total Tetrachlorobiphenyls
Total Trichlorobiphenyls

Food (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Food (010)

SOP LAB03F; IN-HOUSE

HRGC/HRMS-EXTRACTION

Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(b,i)fluoranthene
Benzo(q,h,i)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

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Solids (Organic)

Brominated Flame Retardants - Soil, Sediment (014)

SOP LAB06; modified from EPA 1614

HRGC/HRMS-EXTRACTION

2,2',3,3',4,4',5,5',6-NoBDE
2,2',3,3',4,4',5,5',6,6'-DeBDE
2,2',3,3',4,4',5,6'-OcBDE
2,2',3,3',4,4',5,6,6'-NoBDE
2,2',3,3',4,4',6-HpBDE
2,2',3,3',4,4',6,6'/2,2',3,4,4',5,6,6'-OcBDE
2,2',3,3',4,5',6,6'-OcBDE
2,2',3,3',4,5,5',6,6'-NoBDE
2,2',3,4,4',5',6-HpBDE
2,2',3,4,4',5'-HxBDE
2,2',3,4,4',5,5',6-OcBDE
2,2',3,4,4',5,5'-HpBDE
2,2',3,4,4',6'-HxBDE
2,2',3,4,4',6-HxBDE
2,2',3,4,4',6,6'-HpBDE
2,2',3,4,4'-PeBDE
2,2',4-TrBDE
2,2',4,4',5-PeBDE
2,2',4,4',5,5'-HxBB
2,2',4,4',5,5'-HxBDE
2,2',4,4',5,6'-HxBDE
2,2',4,4',6-PeBDE
2,2',4,4'-TeBDE
2,2',4,5'-TeBDE
2,3',4',6-TeBDE
2,3',4,4',6-PeBDE
2,3',4,4'-TeBDE
2,3,3',4,4',5',6-HpBDE
2,3,3',4,4',5/3,3',4,4',5,5'-HxBDE
2,3,3',4,4',5,5',6-OcBDE
2,4-DiBDE
2,4,4'-TrBDE
2,4,6-TrBDE
2,6-DiBDE
3,3',4,4',5-PeBDE
3,3',4,4'-TeBDE
4,4'-DiBDE

Solids (Organic)

Organochlorine Pesticides (OC) - Soil, Sediment, Biosolids (019)

SOP LAB012; EPA 1699

HRGC/HRMS-EXTRACTION

a-Chlordane (cis)
Aldrin
alpha-HCH
beta-HCH
cis-Nonachlor
delta-HCH
Dieldrin
Endosulfan I

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Endosulfan II
Endosulfan Sulfate
Endrin
γ-Chlordane (trans)
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Lindane (γ HCH)
Methoxychlor
Mirex
o,p'-DDD
o,p'-DDE
o,p'-DDT
Oxychlordane
p,p'-DDD
p,p'-DDE
p,p'-DDT
Pentachlorobenzene
Toxaphene Parar 26
Toxaphene Parar 50
Toxaphene Parar 62

Solids (Organic)

PAHs and Alkylated PAHs - Soil, Sediment (023)

SOP LAB013; IN-HOUSE

GC/MS/MS - EXTRACTION

1-Ethylpyrene
1-Methylbenz(a)anthracene
1-Methylnaphthalene
1-Methylnaphthalene
1-Methylpyrene
1,5-Phenanthrene
1,7-Phenanthrene
2-Methylnaphthalene
2-Methylnaphthalene
2,3,5-Naphthalene
2,6-Phenanthrene
3-Methylcholanthrene
5-Methylchrysene
6-Ethylchrysene
6-Methylbenzo(a)pyrene
6-Methylchrysene
7-Methylbenz(a)anthracene
7-Methylbenzo(a)pyrene
7,12-Dimethylbenz(a)anthracene
7H-Dibenzo(e,g)carbazole
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(q)chrysene

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Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl
C1-Acenaphthenes
C1-Benzanthracenes/Chrysenes
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes
C1-Naphthalenes
C1-Phenanthrenes/Anthracenes
C2-Benzanthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls/Acenaphthenes
C2-Dibenzothiophenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthrenes/Anthracenes
C3-Dibenzothiophenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Dibenzothiophenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Chrysene
Cyclopenta(cd)pyrene
Dibenz(a,h)acridine
Dibenz(a,h)anthracene
Dibenz(a,i)acridine
Dibenzo(a,e)fluoranthene
Dibenzo(a,e)pyrene
Dibenzo(a,h)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,i)pyrene
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene
Retene

Solids (Organic)

Polychlorinated Biphenyls (PCB) - Soil, Sediment (004)

SOP LAB02; modified from EPA 1668C

HRGC/HRMS-EXTRACTION

2-MoCB (PCB-001)

2,2',3-TrCB (PCB-016)

2,2',3,3',4-PeCB (PCB-082)

2,2',3,3',4,4',5-HpCB (PCB-170)

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2,2',3,3',4,4',5,5',6-NoCB (PCB-206)
 2,2',3,3',4,4',5,5',6,6'-DeCB (PCB-209)
 2,2',3,3',4,4',5,5'-OcCB (PCB-194)
 2,2',3,3',4,4',5,6'-OcCB (PCB-196)
 2,2',3,3',4,4',5,6-OcCB (PCB-195)
 2,2',3,3',4,4',5,6,6'-NoCB (PCB-207)
 2,2',3,3',4,4',6-HpCB (PCB-171)
 2,2',3,3',4,4',6,6'-OcCB (PCB-197)
 2,2',3,3',4,4'/2,3,3',4',5,5'-HxCB (PCB-128/162)
 2,2',3,3',4,5',6'-HpCB (PCB-177)
 2,2',3,3',4,5',6-HpCB (PCB-175)
 2,2',3,3',4,5',6,6'-OcCB (PCB-201)
 2,2',3,3',4,5'-HxCB (PCB-130)
 2,2',3,3',4,5-HxCB (PCB-129)
 2,2',3,3',4,5,5',6'-OcCB (PCB-199)
 2,2',3,3',4,5,5',6-OcCB (PCB-198)
 2,2',3,3',4,5,5',6,6'-NoCB (PCB-208)
 2,2',3,3',4,5,5'-HpCB (PCB-172)
 2,2',3,3',4,5,6'-HpCB (PCB-174)
 2,2',3,3',4,5,6-HpCB (PCB-173)
 2,2',3,3',4,5,6,6'-OcCB (PCB-200)
 2,2',3,3',4,6'/2,3,3',4,5',6-HxCB (PCB-132/161)
 2,2',3,3',4,6/2,2',3,3',5,5'-HxCB (PCB-131/133)
 2,2',3,3',4,6,6'-HpCB (PCB-176)
 2,2',3,3',5-PeCB (PCB-083)
 2,2',3,3',5,5',6-HpCB (PCB-178)
 2,2',3,3',5,5',6,6'-OcCB (PCB-202)
 2,2',3,3',5,6'-HxCB (PCB-135)
 2,2',3,3',5,6-HxCB (PCB-134)
 2,2',3,3',5,6,6'-HpCB (PCB-179)
 2,2',3,3',6/2,3',4,5',6-PeCB (PCB-084/121)
 2,2',3,3',6,6'/2,2',3,4',5,6'-HxCB (PCB-136/148)
 2,2',3,3'-TeCB (PCB-040)
 2,2',3,4',5-PeCB (PCB-090)
 2,2',3,4',5,5'-HxCB (PCB-146)
 2,2',3,4',5,6-HxCB (PCB-147)
 2,2',3,4',5,6,6'-HpCB (PCB-188)
 2,2',3,4',6-PeCB (PCB-091)
 2,2',3,4',6,6'-HxCB (PCB-150)
 2,2',3,4'-TeCB (PCB-042)
 2,2',3,4'-TeCB (PCB-041)
 2,2',3,4,4',5',6-HpCB (PCB-183)
 2,2',3,4,4',5'-HxCB (PCB-138)
 2,2',3,4,4',5-HxCB (PCB-137)
 2,2',3,4,4',5,5',6-OcCB (PCB-203)
 2,2',3,4,4',5,5'-HpCB (PCB-180)
 2,2',3,4,4',5,6'/2,2',3,4',5,5',6-HxCB (PCB-182/187)
 2,2',3,4,4',5,6-HpCB (PCB-181)
 2,2',3,4,4',5,6,6'-OcCB (PCB-204)
 2,2',3,4,4',6'-HxCB (PCB-140)
 2,2',3,4,4',6/2,2',3,4',5',6-HxCB (PCB-139/149)
 2,2',3,4,4',6,6'-HpCB (PCB-184)
 2,2',3,4,4'-PeCB (PCB-085)

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2,2',3,4,5',6-HxCB (PCB-144)
2,2',3,4,5'/2,3,4,4',6-PeCB (PCB-087/115)
2,2',3,4,5'/2,2',3,4',5'/2,3,4',5,6-PeCB (PCB-086/097/117)
2,2',3,4,5,5',6-HpCB (PCB-185)
2,2',3,4,5,5'-HxCB (PCB-141)
2,2',3,4,5,6'-HxCB (PCB-143)
2,2',3,4,5,6-HxCB (PCB-142)
2,2',3,4,5,6,6'-HpCB (PCB-186)
2,2',3,4,6'-PeCB (PCB-089)
2,2',3,4,6-PeCB (PCB-088)
2,2',3,4,6,6'-HxCB (PCB-145)
2,2',3,5',6-PeCB (PCB-095)
2,2',3,5'-TeCB (PCB-044)
2,2',3,5-TeCB (PCB-043)
2,2',3,5,5',6-HxCB (PCB-151)
2,2',3,5,5'-PeCB (PCB-092)
2,2',3,5,6'-PeCB (PCB-094)
2,2',3,5,6/2,2',3,4',6'/2,2',4,5,6'-PeCB (PCB-093/098/102)
2,2',3,5,6,6'-HxCB (PCB-152)
2,2',3,6'-TeCB (PCB-046)
2,2',3,6-TeCB (PCB-045)
2,2',3,6,6'-PeCB (PCB-096)
2,2',4-TrCB (PCB-017)
2,2',4,4',5-PeCB (PCB-099)
2,2',4,4',5,5'-HxCB (PCB-153)
2,2',4,4',5,6'-HxCB (PCB-154)
2,2',4,4',6-PeCB (PCB-100)
2,2',4,4',6,6'-HxCB (PCB-155)
2,2',4,4'/2,2',4,5-TeCB (PCB-047/048)
2,2',4,5',6-PeCB (PCB-103)
2,2',4,5'-TeCB (PCB-049)
2,2',4,5,5'-PeCB (PCB-101)
2,2',4,6'-TeCB (PCB-051)
2,2',4,6-TeCB (PCB-050)
2,2',4,6,6'-PeCB (PCB-104)
2,2',5-TrCB (PCB-018)
2,2',5,5'/2,3',4,6-TeCB (PCB-052/069)
2,2',5,6'-TeCB (PCB-053)
2,2',6-TrCB (PCB-019)
2,2',6,6'-TeCB (PCB-054)
2,2'-DiCB (PCB-004)
2,3',4',5'-TeCB (PCB-076)
2,3',4',5-TeCB (PCB-070)
2,3',4',5,5'-PeCB (PCB-124)
2,3',4',6-TeCB (PCB-071)
2,3',4-TrCB (PCB-025)
2,3',4,4',5',6-HxCB (PCB-168)
2,3',4,4',5'-PeCB (PCB-123)
2,3',4,4',5-PeCB (PCB-118)
2,3',4,4',5,5'-HxCB (PCB-167)
2,3',4,4'-TeCB (PCB-066)
2,3',4,5'-TeCB (PCB-068)
2,3',4,5-TeCB (PCB-067)

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2,3',4,5,5'-PeCB (PCB-120)
2,3',5',6-TeCB (PCB-073)
2,3',5'-TrCB (PCB-034)
2,3',5-TrCB (PCB-026)
2,3',6-TrCB (PCB-027)
2,3'-DiCB (PCB-006)
2,3/2,4'-DiCB (PCB-005/008)
2,3,3',4',5'-PeCB (PCB-122)
2,3,3',4',5/2,3,3',4',5'-PeCB (PCB-107/108)
2,3,3',4',5,5',6-HpCB (PCB-193)
2,3,3',4',5,6/2,3,3',4',5',6-HxCB (PCB-163/164)
2,3,3',4',6-PeCB (PCB-110)
2,3,3',4'-TeCB (PCB-056)
2,3,3',4-TeCB (PCB-055)
2,3,3',4,4',5',6-HpCB (PCB-191)
2,3,3',4,4',5'-HxCB (PCB-157)
2,3,3',4,4',5-HxCB (PCB-156)
2,3,3',4,4',5,5',6-OcCB (PCB-205)
2,3,3',4,4',5,5'-HpCB (PCB-189)
2,3,3',4,4',5,6-HpCB (PCB-190)
2,3,3',4,4',6-HxCB (PCB-158)
2,3,3',4,4'/3,3',4,5,5'-PeCB (PCB-105/127)
2,3,3',4,5-PeCB (PCB-106)
2,3,3',4,5,5',6-HpCB (PCB-192)
2,3,3',4,5,5'-HxCB (PCB-159)
2,3,3',4,5,6-HxCB (PCB-160)
2,3,3',4,6-PeCB (PCB-109)
2,3,3',5',6-PeCB (PCB-113)
2,3,3',5'-TeCB (PCB-058)
2,3,3',5-TeCB (PCB-057)
2,3,3',5,5',6-HxCB (PCB-165)
2,3,3',5,5'-PeCB (PCB-111)
2,3,3',5,6/2,3',4,4',6-PeCB (PCB-112/119)
2,3,3',6-TeCB (PCB-059)
2,3,3'/2,3',4'TrCB (PCB-020/033)
2,3,4',5-TeCB (PCB-063)
2,3,4',6/2,3',5,5'-TeCB (PCB-064/072)
2,3,4'-TrCB (PCB-022)
2,3,4-TrCB (PCB-021)
2,3,4,4',5-PeCB (PCB-114)
2,3,4,4',5,6-HxCB (PCB-166)
2,3,4,4'-TeCB (PCB-060)
2,3,4,5-TeCB (PCB-061)
2,3,4,5,6/2,3',4',5',6-PeCB (PCB-116/125)
2,3,4,6-TeCB (PCB-062)
2,3,5-TrCB (PCB-023)
2,3,5,6/2,4,4',6-TeCB (PCB-065/075)
2,3,6-TrCB (PCB-024)
2,4',5-TrCB (PCB-031)
2,4',6-TrCB (PCB-032)
2,4-DiCB (PCB-007)
2,4,4',5-TeCB (PCB-074)
2,4,4'-TrCB (PCB-028)

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2,4,5-TrCB (PCB-029)
2,4,6-TrCB (PCB-030)
2,5-DiCB (PCB-009)
2,6-DiCB (PCB-010)
3-MoCB (PCB-002)
3,3',4-TrCB (PCB-035)
3,3',4,4',5-PeCB (PCB-126)
3,3',4,4',5,5'-HxCB (PCB-169)
3,3',4,4'-TeCB (PCB-077)
3,3',4,5'-TeCB (PCB-079)
3,3',4,5-TeCB (PCB-078)
3,3',5-TrCB (PCB-036)
3,3',5,5'-TeCB (PCB-080)
3,3'-DiCB (PCB-011)
3,4',5-TrCB (PCB-039)
3,4/3,4'-DiCB (PCB-012/013)
3,4,4',5-TeCB (PCB-081)
3,4,4'-TrCB (PCB-037)
3,4,5-TrCB (PCB-038)
3,5-DiCB (PCB-014)
4-MoCB (PCB-003)
4,4'-DiCB (PCB-015)
Total Dichlorobiphenyls
Total Heptachlorobiphenyls
Total Hexachlorobiphenyls
Total Monochlorobiphenyls
Total Nonachlorobiphenyls
Total Octachlorobiphenyls
Total Pentachlorobiphenyls
Total Tetrachlorobiphenyls
Total Trichlorobiphenyls

Solids (Organic)

Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Soil, Sediment (006)
SOP LAB01; modified from EPA 1613B
HRGC/HRMS-EXTRACTION

1,2,3,4,6,7,8-HpCDD
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8-HxCDD
1,2,3,4,7,8-HxCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,6,7,8-HxCDD
1,2,3,6,7,8-HxCDF
1,2,3,7,8-PeCDD
1,2,3,7,8-PeCDF
1,2,3,7,8,9-HxCDD
1,2,3,7,8,9-HxCDF
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-TCDD
2,3,7,8-TCDF
Octachlorodibenzo-p-dioxin (OCDD)
Octachlorodibenzofuran (OCDF)
Total HpCDD

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Total HpCDF
Total HxCDD
Total HxCDF
Total PeCDD
Total PeCDF
Total TCDD
Total TCDF

Solids (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Soil, Sediment (003)

SOP LAB03; IN-HOUSE

HRGC/HRMS-EXTRACTION

Acenaphthene
Acenaphthylene
Anthracene
Benz(a)anthracene
Benzo(a)pyrene
Benzo(b,i)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

Solids (Organic)

Tributyltins- Soil, Sediment (009)

SOP LAB04; IN-HOUSE

HRGC/HRMS-EXTRACTION

Dibutyltin dichloride
Monobutyltin trichloride
Tributyltin chloride

Tissue (Organic)

Brominated Flame Retardants - Tissue (015)

SOP LAB06; modified from EPA 1614

HRGC/HRMS-EXTRACTION

2,2',3,3',4,4',5,5',6-NoBDE
2,2',3,3',4,4',5,5',6,6'-DeBDE
2,2',3,3',4,4',5,6'-OcBDE
2,2',3,3',4,4',5,6,6'-NoBDE
2,2',3,3',4,4',6-HpBDE
2,2',3,3',4,4',6,6'/2,2',3,4,4',5,6,6'-OcBDE
2,2',3,3',4,5',6,6'-OcBDE
2,2',3,3',4,5,5',6,6'-NoBDE
2,2',3,4,4',5',6-HpBDE
2,2',3,4,4',5'-HxBDE
2,2',3,4,4',5,5',6-OcBDE
2,2',3,4,4',5,5'-HpBDE
2,2',3,4,4',6'-HxBDE
2,2',3,4,4',6-HxBDE
2,2',3,4,4',6,6'-HpBDE

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2,2',3,4,4'-PeBDE
2,2',4-TrBDE
2,2',4,4',5-PeBDE
2,2',4,4',5,5'-HxBB
2,2',4,4',5,5'-HxBDE
2,2',4,4',5,6'-HxBDE
2,2',4,4',6-PeBDE
2,2',4,4'-TeBDE
2,2',4,5'-TeBDE
2,3',4',6-TeBDE
2,3',4,4',6-PeBDE
2,3',4,4'-TeBDE
2,3,3',4,4',5',6-HpBDE
2,3,3',4,4',5/3,3',4,4',5,5'-HxBDE
2,3,3',4,4',5,5',6-OcBDE
2,4-DiBDE
2,4,4'-TrBDE
2,4,6-TrBDE
2,6-DiBDE
3,3',4,4',5-PeBDE
3,3',4,4'-TeBDE
4,4'-DiBDE

Tissue (Organic)

Organochlorine Pesticides (OC) - Tissue (020)

SOP LAB012; EPA 1699

HRGC/HRMS-EXTRACTION

a-Chlordane (cis)

Aldrin

alpha-HCH

beta-HCH

cis-Nonachlor

delta-HCH

Dieldrin

Endosulfan I

Endosulfan II

Endosulfan Sulfate

Endrin

g-Chlordane (trans)

Heptachlor

Heptachlor epoxide

Hexachlorobenzene

Lindane (gamma HCH)

Methoxychlor

Mirex

o,p'-DDD

o,p'-DDE

o,p'-DDT

Oxychlordane

p,p'-DDD

p,p'-DDE

p,p'-DDT

Pentachlorobenzene

Toxaphene Parar 26

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Toxaphene Parar 50

Toxaphene Parar 62

Tissue (Organic)

PAHs and Alkylated PAHs - Tissue (024)

SOP LAB013; IN-HOUSE

GC/MS/MS - EXTRACTION

1-Ethylpyrene

1-Methylbenz(a)anthracene

1-Methylnaphthalene

1-Methylnaphthalene

1-Methylpyrene

1,5-Phenanthrene

1,7-Phenanthrene

2-Methylnaphthalene

2-Methylnaphthalene

2,3,5-Naphthalene

2,6-Phenanthrene

3-Methylcholanthrene

5-Methylchrysene

6-Ethylchrysene

6-Methylbenzo(a)pyrene

6-Methylchrysene

7-Methylbenz(a)anthracene

7-Methylbenzo(a)pyrene

7,12-Dimethylbenz(a)anthracene

7H-Dibenzo(e,g)carbazole

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(e)pyrene

Benzo(g)chrysene

Benzo(q,h,i)perylene

Benzo(k)fluoranthene

Biphenyl

C1-Acenaphthenes

C1-Benzanthracenes/Chrysenes

C1-Benzofluoranthenes/Benzopyrenes

C1-Biphenyls

C1-Dibenzothiophenes

C1-Fluoranthenes/Pyrenes

C1-Fluoranthenes/Pyrenes

C1-Fluorenes

C1-Naphthalenes

C1-Phenanthrenes/Anthracenes

C2-Benzanthracenes/Chrysenes

C2-Benzofluoranthenes/Benzopyrenes

C2-Biphenyls/Acenaphthenes

C2-Dibenzothiophenes

C2-Fluorenes

C2-Naphthalenes

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C2-Phenanthrenes/Anthracenes
C3-Dibenzothiophenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Dibenzothiophenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Chrysene
Cyclopenta(cd)pyrene
Dibenz(a,h)anthracene
Dibenzacridines
Dibenzo(a,e)fluoranthene
Dibenzo(a,e)pyrene
Dibenzo(a,h)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,i)pyrene
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene
Retene

Tissue (Organic)

Tributyltins - Tissue (013)
SOP LAB04; IN-HOUSE
HRGC/HRMS-EXTRACTION
Dibutyltin dichloride
Monobutyltin trichloride
Tributyltin chloride

Water (Organic)

Brominated Flame Retardants - Water (016)
SOP LAB06; modified from EPA 1614
HRGC/HRMS-EXTRACTION
2,2',3,3',4,4',5,5',6-NoBDE
2,2',3,3',4,4',5,5',6,6'-DeBDE
2,2',3,3',4,4',5,6'-OcBDE
2,2',3,3',4,4',5,6,6'-NoBDE
2,2',3,3',4,4',6-HpBDE
2,2',3,3',4,4',6,6'/2,2',3,4,4',5,6,6'-OcBDE
2,2',3,3',4,5',6,6'-OcBDE
2,2',3,3',4,5,5',6,6'-NoBDE
2,2',3,4,4',5',6-HpBDE
2,2',3,4,4',5'-HxBDE
2,2',3,4,4',5,5',6-OcBDE
2,2',3,4,4',5,5'-HpBDE
2,2',3,4,4',6'-HxBDE
2,2',3,4,4',6-HxBDE
2,2',3,4,4',6,6'-HpBDE
2,2',3,4,4'-PeBDE
2,2',4-TrBDE

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2,2',4,4',5-PeBDE
2,2',4,4',5,5'-HxBB
2,2',4,4',5,5'-HxBDE
2,2',4,4',5,6'-HxBDE
2,2',4,4',6-PeBDE
2,2',4,4'-TeBDE
2,2',4,5'-TeBDE
2,3',4',6-TeBDE
2,3',4,4',6-PeBDE
2,3',4,4'-TeBDE
2,3,3',4,4',5',6-HpBDE
2,3,3',4,4',5/3,3',4,4',5,5'-HxBDE
2,3,3',4,4',5,5',6-OcBDE
2,4-DiBDE
2,4,4'-TrBDE
2,4,6-TrBDE
2,6-DiBDE
3,3',4,4',5-PeBDE
3,3',4,4'-TeBDE
4,4'-DiBDE

Water (Organic)

Nitrosamines - Water (017)

SOP LAB05; ONTARIO MOE METHOD NDMA-E3291

HRGC/HRMS-EXTRACTION

N-nitroso-N-methylethylamine NMEA

N-nitrosodi-n-butylamine

N-nitrosodi-n-propylamine

N-nitrosodiethylamine

N-Nitrosodimethylamine (NDMA)

N-nitrosomorpholine NMOR

N-Nitrosopiperidine

N-Nitrosopyrrolidine

Water (Organic)

Organochlorine Pesticides (OC) - Water (018)

SOP LAB012; EPA 1699

HRGC/HRMS-EXTRACTION

a-Chlordane (cis)

Aldrin

alpha-HCH

beta-HCH

cis-Nonachlor

delta-HCH

Dieldrin

Endosulfan I

Endosulfan II

Endosulfan Sulfate

Endrin

g-Chlordane (trans)

Heptachlor

Heptachlor epoxide

Hexachlorobenzene

Lindane (gamma-HCH)

Methoxychlor

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Mirex
o,p'-DDD
o,p'-DDE
o,p'-DDT
Oxychlorane
p,p'-DDD
p,p'-DDE
p,p'-DDT
Pentachlorobenzene

Water (Organic)

PAHs and Alkylated PAHs - Water (022)

SOP LAB013; IN HOUSE

GC/MS/MS - EXTRACTION

1-Ethylpyrene
1-Methylbenz(a)anthracene
1-Methylnaphthalene
1-Methylnaphthalene
1-Methylpyrene
1,5-Phenanthrene
1,7-Phenanthrene
2-Methylnaphthalene
2-Methylnaphthalene
2,3,5-Naphthalene
2,6-Phenanthrene
3-Methylcholanthrene
5-Methylchrysene
6-Ethylchrysene
6-Methylbenzo(a)pyrene
6-Methylchrysene
7-Methylbenz(a)anthracene
7-Methylbenzo(a)pyrene
7,12-Dimethylbenz(a)anthracene
7H-Dibenzo(e,g)carbazole
Acenaphthene
Acenaphthylene
Acridine
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(g)chrysene
Benzo(q,h,i)perylene
Benzo(k)fluoranthene
Biphenyl
C1-Acenaphthenes
C1-Benzanthracenes/Chrysenes
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes

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C1-Naphthalenes
C1-Phenanthrenes/Anthracenes
C2-Benzanthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls/Acenaphthenes
C2-Dibenzothiophenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthrenes/Anthracenes
C3-Dibenzothiophenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Dibenzothiophenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Chrysene
Cyclopenta(cd)pyrene
Dibenz(a,h)acridine
Dibenz(a,h)anthracene
Dibenz(a,i)acridine
Dibenzo(a,e)fluoranthene
Dibenzo(a,e)pyrene
Dibenzo(a,h)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,i)pyrene
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene
quinoline
Retene

Water (Organic)

Polychlorinated Biphenyls (PCB) - Water (001)

SOP LAB02; modified from EPA 1668C

HRGC/HRMS-EXTRACTION

2-MoCB (PCB-001)

2,2',3-TrCB (PCB-016)

2,2',3,3',4-PeCB (PCB-082)

2,2',3,3',4,4',5-HpCB (PCB-170)

2,2',3,3',4,4',5,5',6-NoCB (PCB-206)

2,2',3,3',4,4',5,5',6,6'-DeCB (PCB-209)

2,2',3,3',4,4',5,5'-OcCB (PCB-194)

2,2',3,3',4,4',5,6'-OcCB (PCB-196)

2,2',3,3',4,4',5,6-OcCB (PCB-195)

2,2',3,3',4,4',5,6,6'-NoCB (PCB-207)

2,2',3,3',4,4',6-HpCB (PCB-171)

2,2',3,3',4,4',6,6'-OcCB (PCB-197)

2,2',3,3',4,4'/2,3,3',4',5,5'-HxCB (PCB-128/162)

2,2',3,3',4,5',6'-HpCB (PCB-177)

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2,2',3,3',4,5',6-HpCB (PCB-175)
 2,2',3,3',4,5',6,6'-OcCB (PCB-201)
 2,2',3,3',4,5'-HxCB (PCB-130)
 2,2',3,3',4,5-HxCB (PCB-129)
 2,2',3,3',4,5,5',6'-OcCB (PCB-199)
 2,2',3,3',4,5,5',6-OcCB (PCB-198)
 2,2',3,3',4,5,5',6,6'-NoCB (PCB-208)
 2,2',3,3',4,5,5'-HpCB (PCB-172)
 2,2',3,3',4,5,6'-HpCB (PCB-174)
 2,2',3,3',4,5,6-HpCB (PCB-173)
 2,2',3,3',4,5,6,6'-OcCB (PCB-200)
 2,2',3,3',4,6'/2,3,3',4,5',6-HxCB (PCB-132/161)
 2,2',3,3',4,6/2,2',3,3',5,5'-HxCB (PCB-131/133)
 2,2',3,3',4,6,6'-HpCB (PCB-176)
 2,2',3,3',5-PeCB (PCB-083)
 2,2',3,3',5,5',6-HpCB (PCB-178)
 2,2',3,3',5,5',6,6'-OcCB (PCB-202)
 2,2',3,3',5,6'-HxCB (PCB-135)
 2,2',3,3',5,6-HxCB (PCB-134)
 2,2',3,3',5,6,6'-HpCB (PCB-179)
 2,2',3,3',6/2,3',4,5',6-PeCB (PCB-084/121)
 2,2',3,3',6,6'/2,2',3,4',5,6'-HxCB (PCB-136/148)
 2,2',3,3'-TeCB (PCB-040)
 2,2',3,4',5-PeCB (PCB-090)
 2,2',3,4',5,5'-HxCB (PCB-146)
 2,2',3,4',5,6-HxCB (PCB-147)
 2,2',3,4',5,6,6'-HpCB (PCB-188)
 2,2',3,4',6-PeCB (PCB-091)
 2,2',3,4',6,6'-HxCB (PCB-150)
 2,2',3,4'-TeCB (PCB-042)
 2,2',3,4-TeCB (PCB-041)
 2,2',3,4,4',5',6-HpCB (PCB-183)
 2,2',3,4,4',5'-HxCB (PCB-138)
 2,2',3,4,4',5-HxCB (PCB-137)
 2,2',3,4,4',5,5',6-OcCB (PCB-203)
 2,2',3,4,4',5,5'-HpCB (PCB-180)
 2,2',3,4,4',5,6'/2,2',3,4',5,5',6-HxCB (PCB-182/187)
 2,2',3,4,4',5,6-HpCB (PCB-181)
 2,2',3,4,4',5,6,6'-OcCB (PCB-204)
 2,2',3,4,4',6'-HxCB (PCB-140)
 2,2',3,4,4',6/2,2',3,4',5',6-HxCB (PCB-139/149)
 2,2',3,4,4',6,6'-HpCB (PCB-184)
 2,2',3,4,4'-PeCB (PCB-085)
 2,2',3,4,5',6-HxCB (PCB-144)
 2,2',3,4,5'/2,3,4,4',6-PeCB (PCB-087/115)
 2,2',3,4,5/2,2',3,4',5'/2,3,4',5,6-PeCB (PCB-086/097/117)
 2,2',3,4,5,5',6-HpCB (PCB-185)
 2,2',3,4,5,5'-HxCB (PCB-141)
 2,2',3,4,5,6'-HxCB (PCB-143)
 2,2',3,4,5,6-HxCB (PCB-142)
 2,2',3,4,5,6,6'-HpCB (PCB-186)
 2,2',3,4,6'-PeCB (PCB-089)
 2,2',3,4,6-PeCB (PCB-088)

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2,2',3,4,6,6'-HxCB (PCB-145)
2,2',3,5',6-PeCB (PCB-095)
2,2',3,5'-TeCB (PCB-044)
2,2',3,5-TeCB (PCB-043)
2,2',3,5,5',6-HxCB (PCB-151)
2,2',3,5,5'-PeCB (PCB-092)
2,2',3,5,6'-PeCB (PCB-094)
2,2',3,5,6/2,2',3,4,6'/2,2',4,5,6'-PeCB (PCB-093/098/102)
2,2',3,5,6,6'-HxCB (PCB-152)
2,2',3,6'-TeCB (PCB-046)
2,2',3,6-TeCB (PCB-045)
2,2',3,6,6'-PeCB (PCB-096)
2,2',4-TrCB (PCB-017)
2,2',4,4',5-PeCB (PCB-099)
2,2',4,4',5,5'-HxCB (PCB-153)
2,2',4,4',5,6'-HxCB (PCB-154)
2,2',4,4',6-PeCB (PCB-100)
2,2',4,4',6,6'-HxCB (PCB-155)
2,2',4,4'/2,2',4,5-TeCB (PCB-047/048)
2,2',4,5',6-PeCB (PCB-103)
2,2',4,5'-TeCB (PCB-049)
2,2',4,5,5'-PeCB (PCB-101)
2,2',4,6'-TeCB (PCB-051)
2,2',4,6-TeCB (PCB-050)
2,2',4,6,6'-PeCB (PCB-104)
2,2',5-TrCB (PCB-018)
2,2',5,5'/2,3',4,6-TeCB (PCB-052/069)
2,2',5,6'-TeCB (PCB-053)
2,2',6-TrCB (PCB-019)
2,2',6,6'-TeCB (PCB-054)
2,2'-DiCB (PCB-004)
2,3',4',5'-TeCB (PCB-076)
2,3',4',5-TeCB (PCB-070)
2,3',4',5,5'-PeCB (PCB-124)
2,3',4',6-TeCB (PCB-071)
2,3',4-TrCB (PCB-025)
2,3',4,4',5',6-HxCB (PCB-168)
2,3',4,4',5'-PeCB (PCB-123)
2,3',4,4',5-PeCB (PCB-118)
2,3',4,4',5,5'-HxCB (PCB-167)
2,3',4,4'-TeCB (PCB-066)
2,3',4,5'-TeCB (PCB-068)
2,3',4,5-TeCB (PCB-067)
2,3',4,5,5'-PeCB (PCB-120)
2,3',5',6-TeCB (PCB-073)
2,3',5'-TrCB (PCB-034)
2,3',5-TrCB (PCB-026)
2,3',6-TrCB (PCB-027)
2,3'-DiCB (PCB-006)
2,3/2,4'-DiCB (PCB-005/008)
2,3,3',4',5'-PeCB (PCB-122)
2,3,3',4',5/2,3,3',4,5'-PeCB (PCB-107/108)
2,3,3',4',5,5',6-HpCB (PCB-193)

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2,3,3',4',5,6/2,3,3',4',5',6-HxCB (PCB-163/164)
2,3,3',4',6-PeCB (PCB-110)
2,3,3',4'-TeCB (PCB-056)
2,3,3',4'-TeCB (PCB-055)
2,3,3',4,4',5',6-HpCB (PCB-191)
2,3,3',4,4',5'-HxCB (PCB-157)
2,3,3',4,4',5-HxCB (PCB-156)
2,3,3',4,4',5,5',6-OcCB (PCB-205)
2,3,3',4,4',5,5'-HpCB (PCB-189)
2,3,3',4,4',5,6-HpCB (PCB-190)
2,3,3',4,4',6-HxCB (PCB-158)
2,3,3',4,4'/3,3',4,5,5'-PeCB (PCB-105/127)
2,3,3',4,5-PeCB (PCB-106)
2,3,3',4,5,5',6-HpCB (PCB-192)
2,3,3',4,5,5'-HxCB (PCB-159)
2,3,3',4,5,6-HxCB (PCB-160)
2,3,3',4,6-PeCB (PCB-109)
2,3,3',5',6-PeCB (PCB-113)
2,3,3',5'-TeCB (PCB-058)
2,3,3',5'-TeCB (PCB-057)
2,3,3',5,5',6-HxCB (PCB-165)
2,3,3',5,5'-PeCB (PCB-111)
2,3,3',5,6/2,3',4,4',6-PeCB (PCB-112/119)
2,3,3',6'-TeCB (PCB-059)
2,3,3'/2,3',4'TrCB (PCB-020/033)
2,3,4',5'-TeCB (PCB-063)
2,3,4',6/2,3',5,5'-TeCB (PCB-064/072)
2,3,4'-TrCB (PCB-022)
2,3,4'-TrCB (PCB-021)
2,3,4,4',5-PeCB (PCB-114)
2,3,4,4',5,6-HxCB (PCB-166)
2,3,4,4'-TeCB (PCB-060)
2,3,4,5'-TeCB (PCB-061)
2,3,4,5,6/2,3',4',5',6-PeCB (PCB-116/125)
2,3,4,6'-TeCB (PCB-062)
2,3,5'-TrCB (PCB-023)
2,3,5,6/2,4,4',6'-TeCB (PCB-065/075)
2,3,6'-TrCB (PCB-024)
2,4',5'-TrCB (PCB-031)
2,4',6'-TrCB (PCB-032)
2,4-DiCB (PCB-007)
2,4,4',5'-TeCB (PCB-074)
2,4,4'-TrCB (PCB-028)
2,4,5'-TrCB (PCB-029)
2,4,6'-TrCB (PCB-030)
2,5-DiCB (PCB-009)
2,6-DiCB (PCB-010)
3-MoCB (PCB-002)
3,3',4'-TrCB (PCB-035)
3,3',4,4',5-PeCB (PCB-126)
3,3',4,4',5,5'-HxCB (PCB-169)
3,3',4,4'-TeCB (PCB-077)
3,3',4,5'-TeCB (PCB-079)

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3,3',4,5-TeCB (PCB-078)
3,3',5-TrCB (PCB-036)
3,3',5,5'-TeCB (PCB-080)
3,3'-DiCB (PCB-011)
3,4',5-TrCB (PCB-039)
3,4/3,4'-DiCB (PCB-012/013)
3,4,4',5-TeCB (PCB-081)
3,4,4'-TrCB (PCB-037)
3,4,5-TrCB (PCB-038)
3,5-DiCB (PCB-014)
4-MoCB (PCB-003)
4,4'-DiCB (PCB-015)
Total Dichlorobiphenyls
Total Heptachlorobiphenyls
Total Hexachlorobiphenyls
Total Monochlorobiphenyls
Total Nonachlorobiphenyls
Total Octachlorobiphenyls
Total Pentachlorobiphenyls
Total Tetrachlorobiphenyls
Total Trichlorobiphenyls

Water (Organic)

Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Water (005)

SOP LAB01; modified from EPA 1613B

HRGC/HRMS-EXTRACTION

1,2,3,4,6,7,8-HpCDD
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8-HxCDD
1,2,3,4,7,8-HxCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,6,7,8-HxCDD
1,2,3,6,7,8-HxCDF
1,2,3,7,8-PeCDD
1,2,3,7,8-PeCDF
1,2,3,7,8,9-HxCDD
1,2,3,7,8,9-HxCDF
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-TCDD
2,3,7,8-TCDF
Octachlorodibenzo-p-dioxin (OCDD)
Octachlorodibenzofuran (OCDF)
Total HpCDD
Total HpCDF
Total HxCDD
Total HxCDF
Total PeCDD
Total PeCDF
Total TCDD
Total TCDF

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Water (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Water (002)

SOP LAB03; IN-HOUSE

HRGC/HRMS-EXTRACTION

Acenaphthene

Acenaphthylene

Anthracene

Benz(a)anthracene

Benzo(a)pyrene

Benzo(b,i)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Chrysene

Dibenz(a,h)anthracene

Fluoranthene

Fluorene

Indeno(1,2,3-cd)pyrene

Naphthalene

Phenanthrene

Pyrene

Water (Organic)

Tributyltins - Water (008)

SOP LAB04; IN-HOUSE

HRGC/HRMS-EXTRACTION

Dibutyltin dichloride

Monobutyltin trichloride

Tributyltin chloride

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