



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3508
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served:
Revised On: September 12, 2019
Valid To: August 1, 2021

Scope of Accreditation

Air (Inorganic)

Anions and Cations - Air [Stack Emission] (016)
BU-TM-1005; modified from CTM-027 and EPA 0050 and EPA 0051 and EPA 26 and EPA 26A and EPA 6 and EPA 7A and EPA 7D and EPA 8 and EPA 9056 and EPA 9057
ION CHROMATOGRAPHY
Ammonia (NH₃)
Bromine (Br₂)
Chlorine
Hydrogen Bromide (HBr)
Hydrogen Chloride (HCl)
Hydrogen Fluoride (HF)
NO_x
SO_x

Air (Inorganic)

Mercury - Air (004)
BU-TM-1001, BU-TP-2001; modified from ASTM D6784-02 and EPA 0060 and EPA 101A and EPA 29 and EPA 7470
COLD VAPOUR AA
Mercury

Air (Inorganic)

Metals - Air (005)
BU-TM-1002, BU-TP-2001; modified from EPA 0060 and EPA 29 and EPA 6020
ICP/MS
Antimony
Arsenic
Barium
Cadmium

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Chromium
Cobalt
Copper
Lead
Manganese
Nickel
Phosphorus
Selenium
Silver
Thallium
Vanadium
Zinc

Air (Inorganic)

Particulates - Air [Particulate] (039)
BU-TM-1008; modified from EPA 5 and EPA IO-3.1
GRAVIMETRIC
Particulates

Air (Organic)

Brominated Diphenyl Ethers (BDE) and Related Fire Retardants - Air (020)
BU-TM-1109, BU-TP-2109; modified from EPA 1614A
ISOTOPE DILUTION GC/HRMS
1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)
Decabromodiphenyl ethane
Hexabromobenzene (HBB)
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)
PBDE 11 (3,3'-Dibromodiphenyl ether)
PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)
PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)
PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBDE 12 (3,4-Dibromodiphenyl ether)
PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)
PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)
PBDE 13 (3,4'-Dibromodiphenyl ether)
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)
PBDE 15 (4,4'-Dibromodiphenyl ether)
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)
PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)
PBDE 17 (2,2',4-Tribromodiphenyl ether)
PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)
PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)
PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)
PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)
PBDE 25 (2,3',4-Tribromodiphenyl ether)

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PBDE 28 (2,4,4'-Tribromodiphenyl ether)
PBDE 30 (2,4,6-Tribromodiphenyl ether)
PBDE 32 (2,4',6-Tribromodiphenyl ether)
PBDE 33 (2',3,4-Tribromodiphenyl ether)
PBDE 35 (3,3',4-Tribromodiphenyl ether)
PBDE 37 (3,4,4'-Tribromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
PBDE 8 (2,4'-Dibromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
Pentabromoethylbenzene (PBEB)

Air (Organic)

Dioxins and Furans (PCDD/PCDF) - Air (001)

BU-TM-1107, BU-TM-1110; modified from EPA 0023A and EPA 1613B and EPA 23 and EPA 8290A and EPA TO-9A

ISOTOPE DILUTION GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
Total Heptachlorodibenzofurans (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofurans (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
Total Pentachlorodibenzofurans (Total PeCDF)
Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

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Air (Organic)

Polychlorinated Biphenyls (PCB) - Air (036)

BU-TM-1105; modified from EPA 1668A and EPA 1668C

ISOTOPE DILUTION - GC/HRMS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)
PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
PCB 12 (3,4-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 13 (3,4'-Dichlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)

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PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
 PCB 144 (2,2',3,4,5',6'-Hexachlorobiphenyl)
 PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
 PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
 PCB 147 (2,2',3,4',5,6'-Hexachlorobiphenyl)
 PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
 PCB 149 (2,2',3,4',5',6'-Hexachlorobiphenyl)
 PCB 15 (4,4'-Dichlorobiphenyl)
 PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
 PCB 151 (2,2',3,5,5',6'-Hexachlorobiphenyl)
 PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)
 PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
 PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
 PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
 PCB 156 (2,3,3',4,4',5'-Hexachlorobiphenyl)
 PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
 PCB 158 (2,3,3',4,4',6'-Hexachlorobiphenyl)
 PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
 PCB 16 (2,2',3-Trichlorobiphenyl)
 PCB 160 (2,3,3',4,5,6'-Hexachlorobiphenyl)
 PCB 161 (2,3,3',4,5',6'-Hexachlorobiphenyl)
 PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
 PCB 163 (2,3,3',4',5,6'-Hexachlorobiphenyl)
 PCB 164 (2,3,3',4',5',6'-Hexachlorobiphenyl)
 PCB 165 (2,3,3',5,5',6'-Hexachlorobiphenyl)
 PCB 166 (2,3,4,4',5,6'-Hexachlorobiphenyl)
 PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 168 (2,3',4,4',5',6'-Hexachlorobiphenyl)
 PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 17 (2,2',4-Trichlorobiphenyl)
 PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
 PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
 PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
 PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
 PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
 PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
 PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
 PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
 PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
 PCB 18 (2,2',5-Trichlorobiphenyl)
 PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
 PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
 PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
 PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
 PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
 PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
 PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
 PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
 PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
 PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
 PCB 19 (2,2',6-Trichlorobiphenyl)
 PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)

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PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
 PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
 PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
 PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
 PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
 PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
 PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
 PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
 PCB 2 (3-Chlorobiphenyl)
 PCB 20 (2,3,3'-Trichlorobiphenyl)
 PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
 PCB 201 (2,2',3,3',4,5',6,6'-Octachlorobiphenyl)
 PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
 PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
 PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
 PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
 PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
 PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)
 PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
 PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
 PCB 21 (2,3,4-Trichlorobiphenyl)
 PCB 22 (2,3,4'-Trichlorobiphenyl)
 PCB 23 (2,3,5-Trichlorobiphenyl)
 PCB 24 (2,3,6-Trichlorobiphenyl)
 PCB 25 (2,3',4-Trichlorobiphenyl)
 PCB 26 (2,3',5-Trichlorobiphenyl)
 PCB 27 (2,3',6-Trichlorobiphenyl)
 PCB 28 (2,4,4'-Trichlorobiphenyl)
 PCB 29 (2,4,5-Trichlorobiphenyl)
 PCB 3 (4-Chlorobiphenyl)
 PCB 30 (2,4,6-Trichlorobiphenyl)
 PCB 31 (2,4',5-Trichlorobiphenyl)
 PCB 32 (2,4',6-Trichlorobiphenyl)
 PCB 33 (2,3',4'-Trichlorobiphenyl)
 PCB 34 (2,3',5'-Trichlorobiphenyl)
 PCB 35 (3,3',4-Trichlorobiphenyl)
 PCB 36 (3,3',5-Trichlorobiphenyl)
 PCB 37 (3,4,4'-Trichlorobiphenyl)
 PCB 38 (3,4,5-Trichlorobiphenyl)
 PCB 39 (3,4',5-Trichlorobiphenyl)
 PCB 4 (2,2'-Dichlorobiphenyl)
 PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
 PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
 PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
 PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
 PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
 PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
 PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
 PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
 PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
 PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
 PCB 5 (2,3-Dichlorobiphenyl)

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PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)
PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 72 (2,3',5,5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)

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Air (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Air (013)

BU-TM-1100, BU-TP-2100; modified from CARB 429 and EPA 3540C and EPA 8270E

GC/LRMS - EXTRACTION

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

Air (Organic)

Volatile Organic Compounds (VOC) - Air (007)

BU-TM-1114; modified from EPA 5041A and EPA 8260B and EPA 8260C

GC/LRMS - PURGE AND TRAP

1,1-Dichloroethane
1,1-Dichloroethene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-Dichloroethane
1,2-Dichloropropane
1,2,3-Trichloropropane
2-Butanone (Methyl ethyl ketone, MEK)
4-Methyl-2-pentanone (MIBK)
Acetone (2-Propanone)
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane (Ethyl Chloride)
Chloroethene (Vinyl chloride)
Chloroform
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromomethane
Dichloromethane (Methylene Chloride)
Ethylbenzene

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Hexanone
Iodomethane
m,p-Xylene
o-Xylene
Styrene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane

Biological Oil (Inorganic)

Mercury - Biological Oil (047)
BU-TM-1001, BU-TP-2010; EPA 3052 and EPA 7470
COLD VAPOUR AA - DIGESTION
Mercury

Biological Oil (Inorganic)

Metals - Biological Oil (046)
BU-TM-1002, BU-TP-2010; EPA 3052 and EPA 6020B
ICP/MS
Arsenic
Cadmium
Lead

Food (Organic)

Brominated Diphenyl Ethers (BDE) and Related Fire Retardants - Food [Butter, Dairy, Fat, Grains, Milled Grain Product, Nut Butter, Vegetable Oil] (034)
BU-TM-1109; modified from EPA 1614A
ISOTOPE DILUTION GC/HRMS
1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)
Decabromodiphenyl ethane
Hexabromobenzene (HBB)
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)
PBDE 11 (3,3'-Dibromodiphenyl ether)
PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)
PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)
PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBDE 12 (3,4-Dibromodiphenyl ether)
PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)
PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)
PBDE 13 (3,4'-Dibromodiphenyl ether)
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)
PBDE 15 (4,4'-Dibromodiphenyl ether)
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)
PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)
PBDE 17 (2,2',4-Tribromodiphenyl ether)
PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)
PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)

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PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)
PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)
PBDE 25 (2,3',4-Tribromodiphenyl ether)
PBDE 28 (2,4,4'-Tribromodiphenyl ether)
PBDE 30 (2,4,6-Tribromodiphenyl ether)
PBDE 32 (2,4',6-Tribromodiphenyl ether)
PBDE 33 (2',3,4-Tribromodiphenyl ether)
PBDE 35 (3,3',4-Tribromodiphenyl ether)
PBDE 37 (3,4,4'-Tribromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
PBDE 8 (2,4'-Dibromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
Pentabromoethylbenzene (PBEB)

Food (Organic)

Polyaromatic Hydrocarbons (PAH) - Food [Beverage, Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat] (023)

BU-TM-1100, BU-TP-2100; modified from CARB 429 and EPA 3510C

GC/HRMS - EXTRACTION

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

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Food (Organic)

Polychlorinated Biphenyls (PCB) Congeners - Food [Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat, Vegetables] (025)

BU-TM-1105, BU-TM-1110; modified from EPA 1668

ISOTOPE DILUTION - GC/HRMS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)
PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
PCB 12 (3,4-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 13 (3,4'-Dichlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)

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PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
PCB 147 (2,2',3,4',5,6-Hexachlorobiphenyl)
PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl)
PCB 15 (4,4'-Dichlorobiphenyl)
PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)
PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
PCB 16 (2,2',3-Trichlorobiphenyl)
PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
PCB 161 (2,3,3',4,5',6-Hexachlorobiphenyl)
PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
PCB 164 (2,3,3',4',5',6-Hexachlorobiphenyl)
PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
PCB 166 (2,3,4,4',5,6-Hexachlorobiphenyl)
PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)
PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 17 (2,2',4-Trichlorobiphenyl)
PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
PCB 18 (2,2',5-Trichlorobiphenyl)
PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
PCB 19 (2,2',6-Trichlorobiphenyl)

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PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
PCB 2 (3-Chlorobiphenyl)
PCB 20 (2,3,3'-Trichlorobiphenyl)
PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
PCB 201 (2,2',3,3',4,5',6,6'-Octachlorobiphenyl)
PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)
PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
PCB 21 (2,3,4-Trichlorobiphenyl)
PCB 22 (2,3,4'-Trichlorobiphenyl)
PCB 23 (2,3,5-Trichlorobiphenyl)
PCB 24 (2,3,6-Trichlorobiphenyl)
PCB 25 (2,3',4-Trichlorobiphenyl)
PCB 26 (2,3',5-Trichlorobiphenyl)
PCB 27 (2,3',6-Trichlorobiphenyl)
PCB 28 (2,4,4'-Trichlorobiphenyl)
PCB 29 (2,4,5-Trichlorobiphenyl)
PCB 3 (4-Chlorobiphenyl)
PCB 30 (2,4,6-Trichlorobiphenyl)
PCB 31 (2,4',5-Trichlorobiphenyl)
PCB 32 (2,4',6-Trichlorobiphenyl)
PCB 33 (2,3',4'-Trichlorobiphenyl)
PCB 34 (2,3',5'-Trichlorobiphenyl)
PCB 35 (3,3',4-Trichlorobiphenyl)
PCB 36 (3,3',5-Trichlorobiphenyl)
PCB 37 (3,4,4'-Trichlorobiphenyl)
PCB 38 (3,4,5-Trichlorobiphenyl)
PCB 39 (3,4',5-Trichlorobiphenyl)
PCB 4 (2,2'-Dichlorobiphenyl)
PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)

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PCB 5 (2,3-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)
PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 72 (2,3',5,5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)

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PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)

PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)

Food (Organic)

Polychlorinated Dioxins and Polychlorinated Furans and Selected PCB Congeners (PCDD/PCDF) - Food [Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat, Vegetables] (026)

BU-TM-1107, BU-TM-1110, BU-TM-1113, BU-TP-2113; modified from EPA 1613B and EPA 1668A and EPA 1668C

ISOTOPE DILUTION - GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
Total Heptachlorodibenzofurans (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofurans (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
Total Pentachlorodibenzofurans (Total PeCDF)
Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

Solids (Inorganic)

Mercury - Solids [Sediment, Soil] (029)

BU-TM-1001; modified from EPA 7471A

COLD VAPOUR AA - DIGESTION

Mercury

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Solids (Inorganic)

Metals - Solids [Minerals, Sediment, Soil] (028)

BU-TM-1002, NA-TP-2004; modified from EPA 3052 (PREPARATION) and EPA 6020 (ANALYSIS)

ICP/MS - DIGESTION

Arsenic

Cadmium

Lead

Solids (Inorganic)

Moisture - Solids (035)

BU-TM-1200; modified from CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

GRAVIMETRIC

Percent Moisture

Solids (Organic)

Brominated Diphenyl Ethers (BDE) and Related Fire Retardants - Solids [Sediment, Soil] (018)

BU-TM-1109, BU-TP-2109; modified from EPA 1614A

ISOTOPE DILUTION GC/HRMS

1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)

Decabromodiphenyl ethane

Hexabromobenzene (HBB)

PBDE 10 (2,6-Dibromodiphenyl ether)

PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)

PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)

PBDE 11 (3,3'-Dibromodiphenyl ether)

PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)

PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)

PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)

PBDE 12 (3,4-Dibromodiphenyl ether)

PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)

PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)

PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)

PBDE 13 (3,4'-Dibromodiphenyl ether)

PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)

PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)

PBDE 15 (4,4'-Dibromodiphenyl ether)

PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)

PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)

PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)

PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)

PBDE 17 (2,2',4-Tribromodiphenyl ether)

PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)

PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)

PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)

PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)

PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)

PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)

PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)

PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)

PBDE 25 (2,3',4-Tribromodiphenyl ether)

PBDE 28 (2,4,4'-Tribromodiphenyl ether)

PBDE 30 (2,4,6-Tribromodiphenyl ether)

PBDE 32 (2,4',6-Tribromodiphenyl ether)

PBDE 33 (2',3,4-Tribromodiphenyl ether)

PBDE 35 (3,3',4-Tribromodiphenyl ether)

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PBDE 37 (3,4,4'-Tribromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
PBDE 8 (2,4'-Dibromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
Pentabromoethylbenzene (PBEB)

Solids (Organic)

Dioxins and Furans (PCDD/PCDF) - Solids [Soil] (002)

BU-TM-1107, BU-TM-1110; modified from EPA 1613B and EPA 8290A
ISOTOPE DILUTION GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
Total Heptachlorodibenzofurans (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofurans (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
Total Pentachlorodibenzofurans (Total PeCDF)
Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

Solids (Organic)

Nitrosamines - Solids (011)

BU-TM-1106, BU-TP-2106; modified from ON MOECC E3388
GC/HRMS

N-Nitrosodimethylamine (NDMA)

Solids (Organic)

Organochlorine (OC) Pesticides - Solids (024)

BU-TM-1103, BU-TP-2103; modified from EPA 1699
GC/HRMS - EXTRACTION

1,2,3,4-Tetrachlorobenzene (1,2,3,4-TCB)

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1,2,4,5-Tetrachlorobenzene (1,2,4,5-TCB)
2,4'-DDD (o,p'-DDD)
2,4'-DDE (o,p'-DDE)
2,4'-DDT (o,p'-DDT)
4,4'-DDD (p,p'-DDD)
4,4'-DDE (p,p'-DDE)
4,4'-DDT (p,p'-DDT)
a - Chlordane
Aldrin
alpha-BHC
beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-cis-Nonachlor
delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)
Dieldrin
Endosulfan I (a-Endosulfan)
Endosulfan II (b-Endosulfan)
Endosulfan Sulfate
Endrin
q - Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Lindane (gamma-BHC)
Methoxychlor
Mirex
Octachlorostyrene
Oxychlordane
Pentachlorobenzene
Toxaphene 26 (Parlar 26)
Toxaphene 50 (Parlar 50)
Toxaphene 62 (Parlar 62)
trans-Nonachlor

Solids (Organic)

Polychlorinated Biphenyls (PCB) Congeners - Solids [Sediment, Soil] (015)

BU-TM-1105, BU-TM-1110; modified from EPA 1668A and EPA 1668C

ISOTOPE DILUTION GC/HRMS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)
PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)

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PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
 PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
 PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
 PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
 PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
 PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
 PCB 12 (3,4-Dichlorobiphenyl)
 PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
 PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
 PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
 PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
 PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
 PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
 PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
 PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
 PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
 PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
 PCB 13 (3,4'-Dichlorobiphenyl)
 PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
 PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
 PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
 PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
 PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
 PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
 PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
 PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
 PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
 PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
 PCB 14 (3,5-Dichlorobiphenyl)
 PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
 PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
 PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
 PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
 PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
 PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
 PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
 PCB 147 (2,2',3,4',5,6-Hexachlorobiphenyl)
 PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
 PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl)
 PCB 15 (4,4'-Dichlorobiphenyl)
 PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
 PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
 PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)
 PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
 PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
 PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
 PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
 PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
 PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
 PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
 PCB 16 (2,2',3-Trichlorobiphenyl)
 PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
 PCB 161 (2,3,3',4,5',6-Hexachlorobiphenyl)

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PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
PCB 164 (2,3,3',4',5',6-Hexachlorobiphenyl)
PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
PCB 166 (2,3,4,4',5,6-Hexachlorobiphenyl)
PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)
PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
PCB 17 (2,2',4-Trichlorobiphenyl)
PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
PCB 18 (2,2',5-Trichlorobiphenyl)
PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
PCB 19 (2,2',6-Trichlorobiphenyl)
PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
PCB 2 (3-Chlorobiphenyl)
PCB 20 (2,3,3'-Trichlorobiphenyl)
PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
PCB 201 (2,2',3,3',4,5',6,6'-Octachlorobiphenyl)
PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)
PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)

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PCB 21 (2,3,4-Trichlorobiphenyl)
PCB 22 (2,3,4'-Trichlorobiphenyl)
PCB 23 (2,3,5-Trichlorobiphenyl)
PCB 24 (2,3,6-Trichlorobiphenyl)
PCB 25 (2,3',4-Trichlorobiphenyl)
PCB 26 (2,3',5-Trichlorobiphenyl)
PCB 27 (2,3',6-Trichlorobiphenyl)
PCB 28 (2,4,4'-Trichlorobiphenyl)
PCB 29 (2,4,5-Trichlorobiphenyl)
PCB 3 (4-Chlorobiphenyl)
PCB 30 (2,4,6-Trichlorobiphenyl)
PCB 31 (2,4',5-Trichlorobiphenyl)
PCB 32 (2,4',6-Trichlorobiphenyl)
PCB 33 (2,3',4'-Trichlorobiphenyl)
PCB 34 (2,3',5'-Trichlorobiphenyl)
PCB 35 (3,3',4-Trichlorobiphenyl)
PCB 36 (3,3',5-Trichlorobiphenyl)
PCB 37 (3,4,4'-Trichlorobiphenyl)
PCB 38 (3,4,5-Trichlorobiphenyl)
PCB 39 (3,4',5-Trichlorobiphenyl)
PCB 4 (2,2'-Dichlorobiphenyl)
PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
PCB 5 (2,3-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)
PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)

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PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6'-Tetrachlorobiphenyl)
PCB 72 (2,3',5',5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6'-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5'-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6'-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5'-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4'-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5'-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6'-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6'-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6'-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)
PCB 99 (2,2',4,4',5'-Pentachlorobiphenyl)

Solids (Organic)

Polychlorinated Naphthalenes (PCN) - Solids (022)

BU-TM-1102, BU-TM-1110; modified from EPA 1613B and EPA 8290A and ON MOECC E3431

ISOTOPE DILUTION GC/HRMS

Dichlorinated Naphthalenes

Heptachlorinated Naphthalenes

Hexachlorinated Naphthalenes

Monochlorinated Naphthalenes

Octachlorinated Naphthalenes

Total Pentachloronaphthalenes (Total PeCN)

Total Tetrachloronaphthalenes (Total TeCN)

Trichlorinated Naphthalenes

Solids (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Solids (009)

BU-TM-1100, BU-TP-2100; modified from CARB 429 and EPA 3540C

ISOTOPE DILUTION - GC/LRMS

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

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

SPMD (Extract analysis only) (Organic)

Organochlorine (OC) Pesticides - SPMD (045)

BU-TM-1103 OC PESTICIDES; modified from EPA 1699

HI RESOLUTION GC/MS

2,4'-DDD (o,p'-DDD)

2,4'-DDE (o,p'-DDE)

2,4'-DDT (o,p'-DDT)

4,4'-DDD (p,p'-DDD)

4,4'-DDE (p,p'-DDE)

4,4'-DDT (p,p'-DDT)

a - Chlordane

alpha-BHC

beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-

cis-Heptachlor Epoxide

cis-Nonachlor

delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)

Dieldrin

Endosulfan I (a-Endosulfan)

Endosulfan II (b-Endosulfan)

Endosulfan Sulfate

Endrin

g - Chlordane

Hexachlorobenzene

Lindane (gamma-BHC)

Methoxychlor

Mirex

Octachlorostyrene

Oxychlordane

Toxaphene 26 (Parlar 26)

Toxaphene 50 (Parlar 50)

Toxaphene 62 (Parlar 62)

trans-Heptachlor epoxide

trans-Nonachlor

SPMD (Extract analysis only) (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - SPMD (044)

BU-TM-1100 ANALYSIS OF PAH; modified from CARB 429 and SM 3540 C

HI RESOLUTION GC/MS

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

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

SPMD (Extracts only) (Organic)

Brominated Diphenyl Ethers (BDE) - SPMD (043)

BU-TM-1109 BDPE; modified from EPA 1614A

HI RESOLUTION GC/MS

1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)
Decabromodiphenyl ethane
Hexabromobenzene (HBB)
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)
PBDE 11 (3,3'-Dibromodiphenyl ether)
PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)
PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)
PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBDE 12 (3,4-Dibromodiphenyl ether)
PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)
PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)
PBDE 13 (3,4'-Dibromodiphenyl ether)
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)
PBDE 15 (4,4'-Dibromodiphenyl ether)
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)
PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)
PBDE 17 (2,2',4-Tribromodiphenyl ether)
PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)
PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)
PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)
PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)
PBDE 25 (2,3',4-Tribromodiphenyl ether)
PBDE 28 (2,4,4'-Tribromodiphenyl ether)
PBDE 30 (2,4,6-Tribromodiphenyl ether)
PBDE 32 (2,4',6-Tribromodiphenyl ether)
PBDE 33 (2',3,4-Tribromodiphenyl ether)
PBDE 35 (3,3',4-Tribromodiphenyl ether)

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PBDE 37 (3,4,4'-Tribromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
PBDE 8 (2,4'-Dibromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
Pentabromoethylbenzene (PBEB)

SPMD (Extracts only) (Organic)

Dioxins and Furans (PCDD/PCDF) - SPMD (040)

BU-TM-1107 PCDD_F; modified from EPA 1613B

GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
Total Heptachlorodibenzofurans (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofurans (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
Total Pentachlorodibenzofurans (Total PeCDF)
Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

SPMD (Extracts only) (Organic)

Polychlorinated Biphenyls (PCB) Congeners - SPMD (042)

BU-TM-1105 PCB Congeners; modified from EPA 1668

HI RESOLUTION GC/MS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)

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PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)
PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
PCB 12 (3,4-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 13 (3,4'-Dichlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
PCB 147 (2,2',3,4',5,6-Hexachlorobiphenyl)
PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl)
PCB 15 (4,4'-Dichlorobiphenyl)
PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)

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PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
 PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
 PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
 PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
 PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
 PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
 PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
 PCB 16 (2,2',3-Trichlorobiphenyl)
 PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
 PCB 161 (2,3,3',4,5',6-Hexachlorobiphenyl)
 PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
 PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
 PCB 164 (2,3,3',4',5',6-Hexachlorobiphenyl)
 PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
 PCB 166 (2,3,4,4',5,6-Hexachlorobiphenyl)
 PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)
 PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 17 (2,2',4-Trichlorobiphenyl)
 PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
 PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
 PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
 PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
 PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
 PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
 PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
 PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
 PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
 PCB 18 (2,2',5-Trichlorobiphenyl)
 PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
 PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
 PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
 PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
 PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
 PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
 PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
 PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
 PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
 PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
 PCB 19 (2,2',6-Trichlorobiphenyl)
 PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
 PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
 PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
 PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
 PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
 PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
 PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
 PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
 PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
 PCB 2 (3-Chlorobiphenyl)
 PCB 20 (2,3,3'-Trichlorobiphenyl)

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PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
PCB 201 (2,2',3,3',4,5',6,6'-Octachlorobiphenyl)
PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)
PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
PCB 21 (2,3,4-Trichlorobiphenyl)
PCB 22 (2,3,4'-Trichlorobiphenyl)
PCB 23 (2,3,5-Trichlorobiphenyl)
PCB 24 (2,3,6-Trichlorobiphenyl)
PCB 25 (2,3',4-Trichlorobiphenyl)
PCB 26 (2,3',5-Trichlorobiphenyl)
PCB 27 (2,3',6-Trichlorobiphenyl)
PCB 28 (2,4,4'-Trichlorobiphenyl)
PCB 29 (2,4,5-Trichlorobiphenyl)
PCB 3 (4-Chlorobiphenyl)
PCB 30 (2,4,6-Trichlorobiphenyl)
PCB 31 (2,4',5-Trichlorobiphenyl)
PCB 32 (2,4',6-Trichlorobiphenyl)
PCB 33 (2,3',4'-Trichlorobiphenyl)
PCB 34 (2,3',5'-Trichlorobiphenyl)
PCB 35 (3,3',4-Trichlorobiphenyl)
PCB 36 (3,3',5-Trichlorobiphenyl)
PCB 37 (3,4,4'-Trichlorobiphenyl)
PCB 38 (3,4,5-Trichlorobiphenyl)
PCB 39 (3,4',5-Trichlorobiphenyl)
PCB 4 (2,2'-Dichlorobiphenyl)
PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
PCB 5 (2,3-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)

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PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)
PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 72 (2,3',5,5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)

Tissue (Organic)

Brominated Diphenyl Ethers (BDE) and Related Fire Retardants - Tissue (019)

BU-TM-1109, BU-TP-2109; modified from EPA 1614A

ISOTOPE DILUTION GC/HRMS

1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)

Decabromodiphenyl ethane

Hexabromobenzene (HBB)

PBDE 10 (2,6-Dibromodiphenyl ether)

PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)

PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)

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PBDE 11 (3,3'-Dibromodiphenyl ether)
 PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)
 PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)
 PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
 PBDE 12 (3,4-Dibromodiphenyl ether)
 PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)
 PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
 PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)
 PBDE 13 (3,4'-Dibromodiphenyl ether)
 PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
 PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)
 PBDE 15 (4,4'-Dibromodiphenyl ether)
 PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
 PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
 PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)
 PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)
 PBDE 17 (2,2',4-Tribromodiphenyl ether)
 PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)
 PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)
 PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)
 PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
 PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)
 PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
 PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
 PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)
 PBDE 25 (2,3',4-Tribromodiphenyl ether)
 PBDE 28 (2,4,4'-Tribromodiphenyl ether)
 PBDE 30 (2,4,6-Tribromodiphenyl ether)
 PBDE 32 (2,4',6-Tribromodiphenyl ether)
 PBDE 33 (2',3,4-Tribromodiphenyl ether)
 PBDE 35 (3,3',4-Tribromodiphenyl ether)
 PBDE 37 (3,4,4'-Tribromodiphenyl ether)
 PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
 PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
 PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
 PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
 PBDE 7 (2,4-Dibromodiphenyl ether)
 PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
 PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
 PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
 PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
 PBDE 8 (2,4'-Dibromodiphenyl ether)
 PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
 PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
 Pentabromoethylbenzene (PBEB)

Tissue (Organic)

Dioxins and Furans (PCDD/PCDF) - Tissue (014)

BU-TM-1107, BU-TM-1110; modified from EPA 1613B and EPA 8290A
ISOTOPE DILUTION GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)

1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)

1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)

1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)

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1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
 1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
 2,3,4,6,7,8-HxCDF
 2,3,4,7,8-PeCDF
 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
 2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
 Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
 Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
 Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
 Total Heptachlorodibenzofurans (Total HpCDF)
 Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
 Total Hexachlorodibenzofurans (Total HxCDF)
 Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
 Total Pentachlorodibenzofurans (Total PeCDF)
 Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
 Total Tetrachlorodibenzofurans (Total TCDF)

Tissue (Organic)

Organochlorine (OC) Pesticides - Tissue (033)

BU-TM-1103, BU-TP-2103; modified from EPA 1699

SELECTED ION-MONITORING/GC/HRMS

2,4'-DDD (o,p'-DDD)

2,4'-DDE (o,p'-DDE)

2,4'-DDT (o,p'-DDT)

4,4'-DDD (p,p'-DDD)

4,4'-DDE (p,p'-DDE)

4,4'-DDT (p,p'-DDT)

a - Chlordane

alpha-BHC

beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-cis-Heptachlor Epoxide

cis-Nonachlor

delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)

Dieldrin

Endosulfan I (a-Endosulfan)

Endosulfan II (b-Endosulfan)

Endosulfan Sulfate

Endrin

g - Chlordane

Hexachlorobenzene

Lindane (gamma-BHC)

Methoxychlor

Mirex

Octachlorostyrene

Oxychlordane

Toxaphene 26 (Parlar 26)

Toxaphene 50 (Parlar 50)

Toxaphene 62 (Parlar 62)

trans-Heptachlor epoxide

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trans-Nonachlor

Tissue (Organic)

Polychlorinated Biphenyls (PCB) - Tissue (032)

BU-TM-1120; EPA 680

GC/LRMS

- PCB 10 (2,6-Dichlorobiphenyl)
- PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
- PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
- PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
- PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
- PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
- PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
- PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
- PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)
- PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
- PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
- PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
- PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
- PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
- PCB 12 (3,4-Dichlorobiphenyl)
- PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
- PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
- PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
- PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
- PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
- PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
- PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
- PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
- PCB 13 (3,4'-Dichlorobiphenyl)
- PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
- PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
- PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
- PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
- PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
- PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
- PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
- PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
- PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
- PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
- PCB 149 (2,2',3,4',5,6-Hexachlorobiphenyl)
- PCB 15 (4,4'-Dichlorobiphenyl)
- PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
- PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
- PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
- PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
- PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
- PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
- PCB 16 (2,2',3-Trichlorobiphenyl)
- PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
- PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
- PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
- PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
- PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)

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PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 17 (2,2',4-Trichlorobiphenyl)
 PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
 PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
 PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
 PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
 PCB 18 (2,2',5-Trichlorobiphenyl)
 PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
 PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
 PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
 PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
 PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
 PCB 19 (2,2',6-Trichlorobiphenyl)
 PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
 PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
 PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
 PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
 PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
 PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
 PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
 PCB 20 (2,3,3'-Trichlorobiphenyl)
 PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
 PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
 PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
 PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)
 PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
 PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
 PCB 21 (2,3,4-Trichlorobiphenyl)
 PCB 22 (2,3,4'-Trichlorobiphenyl)
 PCB 24 (2,3,6-Trichlorobiphenyl)
 PCB 25 (2,3',4-Trichlorobiphenyl)
 PCB 26 (2,3',5-Trichlorobiphenyl)
 PCB 27 (2,3',6-Trichlorobiphenyl)
 PCB 28 (2,4,4'-Trichlorobiphenyl)
 PCB 31 (2,4',5-Trichlorobiphenyl)
 PCB 32 (2,4',6-Trichlorobiphenyl)
 PCB 33 (2,3',4'-Trichlorobiphenyl)
 PCB 37 (3,4,4'-Trichlorobiphenyl)
 PCB 4 (2,2'-Dichlorobiphenyl)
 PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
 PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
 PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
 PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
 PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
 PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
 PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
 PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
 PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
 PCB 5 (2,3-Dichlorobiphenyl)
 PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
 PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)

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PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)

Tissue (Organic)

Polychlorinated Biphenyls (PCB) Congeners - Tissue (041)

BU-TM-1105 PCB Congeners; modified from EPA 1668

HI RESOLUTION GC/MS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)

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PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
PCB 12 (3,4-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 13 (3,4'-Dichlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
PCB 147 (2,2',3,4',5,6-Hexachlorobiphenyl)
PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl)
PCB 15 (4,4'-Dichlorobiphenyl)
PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)
PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
PCB 16 (2,2',3-Trichlorobiphenyl)

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PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
 PCB 161 (2,3,3',4,5',6-Hexachlorobiphenyl)
 PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
 PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
 PCB 164 (2,3,3',4',5',6-Hexachlorobiphenyl)
 PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
 PCB 166 (2,3,4,4',5,6-Hexachlorobiphenyl)
 PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)
 PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 17 (2,2',4-Trichlorobiphenyl)
 PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
 PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
 PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
 PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
 PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
 PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
 PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
 PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
 PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
 PCB 18 (2,2',5-Trichlorobiphenyl)
 PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
 PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
 PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
 PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
 PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
 PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
 PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
 PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
 PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
 PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
 PCB 19 (2,2',6-Trichlorobiphenyl)
 PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
 PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
 PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
 PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
 PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
 PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
 PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
 PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
 PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
 PCB 2 (3-Chlorobiphenyl)
 PCB 20 (2,3,3'-Trichlorobiphenyl)
 PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
 PCB 201 (2,2',3,3',4,5',6'-Octachlorobiphenyl)
 PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
 PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
 PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
 PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
 PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
 PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)

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PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
PCB 21 (2,3,4-Trichlorobiphenyl)
PCB 22 (2,3,4'-Trichlorobiphenyl)
PCB 23 (2,3,5-Trichlorobiphenyl)
PCB 24 (2,3,6-Trichlorobiphenyl)
PCB 25 (2,3',4-Trichlorobiphenyl)
PCB 26 (2,3',5-Trichlorobiphenyl)
PCB 27 (2,3',6-Trichlorobiphenyl)
PCB 28 (2,4,4'-Trichlorobiphenyl)
PCB 29 (2,4,5-Trichlorobiphenyl)
PCB 3 (4-Chlorobiphenyl)
PCB 30 (2,4,6-Trichlorobiphenyl)
PCB 31 (2,4',5-Trichlorobiphenyl)
PCB 32 (2,4',6-Trichlorobiphenyl)
PCB 33 (2,3',4'-Trichlorobiphenyl)
PCB 34 (2,3',5'-Trichlorobiphenyl)
PCB 35 (3,3',4-Trichlorobiphenyl)
PCB 36 (3,3',5-Trichlorobiphenyl)
PCB 37 (3,4,4'-Trichlorobiphenyl)
PCB 38 (3,4,5-Trichlorobiphenyl)
PCB 39 (3,4',5-Trichlorobiphenyl)
PCB 4 (2,2'-Dichlorobiphenyl)
PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
PCB 5 (2,3-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)

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PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 72 (2,3',5,5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)

Tissue (Organic)

Polychlorinated Naphthalenes (PCN) - Tissue (027)

BU-TM-1102, BU-TM-1110; modified from EPA 1613B and EPA 8290A and ON MOECC E3431
ISOTOPE DILUTION GC/HRMS

Dichlorinated Naphthalenes
Heptachlorinated Naphthalenes
Hexachlorinated Naphthalenes
Monochlorinated Naphthalenes
Octachlorinated Naphthalenes
Total Pentachloronaphthalenes (Total PeCN)
Total Tetrachloronaphthalenes (Total TeCN)
Trichlorinated Naphthalenes

Water (Organic)

Brominated Diphenyl Ethers (BDE) and Related Fire Retardants - Water (017)

BU-TM-1109, BU-TM-1110; modified from EPA 1614A
ISOTOPE DILUTION GC/HRMS

1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)
Decabromodiphenyl ethane

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Hexabromobenzene (HBB)
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBDE 105 (2,3,3',4,4'-Pentabromodiphenyl ether)
PBDE 11 (3,3'-Dibromodiphenyl ether)
PBDE 116 (2,3,4,5,6-Pentabromodiphenyl ether)
PBDE 118 (2,3',4,4',5-Pentabromodiphenyl ether)
PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBDE 12 (3,4-Dibromodiphenyl ether)
PBDE 120 (2,3',4,5,5'-Pentabromodiphenyl ether)
PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBDE 128 (2,2',3,3',4,4'-Hexabromodiphenyl ether)
PBDE 13 (3,4'-Dibromodiphenyl ether)
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
PBDE 140 (2,2',3,4,4',6'-Hexabromodiphenyl ether)
PBDE 15 (4,4'-Dibromodiphenyl ether)
PBDE 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
PBDE 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
PBDE 155 (2,2',4,4',6,6'-Hexabromodiphenyl ether)
PBDE 166 (2,3,4,4',5,6-Hexabromodiphenyl ether)
PBDE 17 (2,2',4-Tribromodiphenyl ether)
PBDE 181 (2,2',3,4,4',5,6-Heptabromodiphenyl ether)
PBDE 183 (2,2',3,4,4',5',6-Heptabromodiphenyl ether)
PBDE 190 (2,3,3',4,4',5,6-Heptabromodiphenyl ether)
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
PBDE 206 (2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether)
PBDE 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
PBDE 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
PBDE 209 (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether)
PBDE 25 (2,3',4-Tribromodiphenyl ether)
PBDE 28 (2,4,4'-Tribromodiphenyl ether)
PBDE 30 (2,4,6-Tribromodiphenyl ether)
PBDE 32 (2,4',6-Tribromodiphenyl ether)
PBDE 33 (2',3,4-Tribromodiphenyl ether)
PBDE 35 (3,3',4-Tribromodiphenyl ether)
PBDE 37 (3,4,4'-Tribromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 51 (2,2',4,6'-Tetrabromodiphenyl ether)
PBDE 66 (2,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4',6-Tetrabromodiphenyl ether)
PBDE 75 (2,4,4',6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 79 (3,3',4,5'-Tetrabromodiphenyl ether)
PBDE 8 (2,4'-Dibromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)
Pentabromoethylbenzene (PBEB)

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Water (Organic)

OSDWA †

Dioxins and Furans (PCDD/PCDF) - Water (003)

BU-TM-1107, BU-TM-1110; modified from EPA 1613B and EPA 8290A
GC/HRMS

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)
Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin)
Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)
Total Heptachlorodibenzo-p-dioxins (Total HpCDD)
Total Heptachlorodibenzofurans (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofurans (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)
Total Pentachlorodibenzofurans (Total PeCDF)
Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

Water (Organic)

OSDWA †

Nitrosamines - Water (012)

BU-TM-1106, BU-TP-2106; modified from ON MOECC E3388
GC/HRMS

N-Nitrosodimethylamine (NDMA)

Water (Organic)

Polychlorinated Biphenyls (PCB) - Water (037)

BU-TM-1105; modified from EPA 1668A and EPA 1668C
ISOTOPE DILUTION - GC/HRMS

PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)
PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 102 (2,2',4,5,6'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105 (2,3,3',4,4'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107 (2,3,3',4',5-Pentachlorobiphenyl)
PCB 108 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 109 (2,3,3',4,6-Pentachlorobiphenyl)
PCB 11 (3,3'-Dichlorobiphenyl)
PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)
PCB 111 (2,3,3',5,5'-Pentachlorobiphenyl)

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PCB 112 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 113 (2,3,3',5',6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 115 (2,3,4,4',6-Pentachlorobiphenyl)
PCB 116 (2,3,4,5,6-Pentachlorobiphenyl)
PCB 117 (2,3,4',5,6-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 119 (2,3',4,4',6-Pentachlorobiphenyl)
PCB 12 (3,4-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 121 (2,3',4,5',6-Pentachlorobiphenyl)
PCB 122 (2,3,3',4',5'-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 124 (2,3',4',5,5'-Pentachlorobiphenyl)
PCB 125 (2,3',4',5',6-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 127 (3,3',4,5,5'-Pentachlorobiphenyl)
PCB 128 (2,2',3,3',4,4'-Pentachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 13 (3,4'-Dichlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 131 (2,2',3,3',4,6-Hexachlorobiphenyl)
PCB 132 (2,2',3,3',4,6'-Hexachlorobiphenyl)
PCB 133 (2,2',3,3',5,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-Hexachlorobiphenyl)
PCB 135 (2,2',3,3',5,6'-Hexachlorobiphenyl)
PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)
PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)
PCB 138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB 139 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6'-Hexachlorobiphenyl)
PCB 141 (2,2',3,4,5,5'-Hexachlorobiphenyl)
PCB 142 (2,2',3,4,5,6-Hexachlorobiphenyl)
PCB 143 (2,2',3,4,5,6'-Hexachlorobiphenyl)
PCB 144 (2,2',3,4,5',6-Hexachlorobiphenyl)
PCB 145 (2,2',3,4,6,6'-Hexachlorobiphenyl)
PCB 146 (2,2',3,4',5,5'-Hexachlorobiphenyl)
PCB 147 (2,2',3,4',5,6-Hexachlorobiphenyl)
PCB 148 (2,2',3,4',5,6'-Hexachlorobiphenyl)
PCB 149 (2,2',3,4',5',6-Hexachlorobiphenyl)
PCB 15 (4,4'-Dichlorobiphenyl)
PCB 150 (2,2',3,4',6,6'-Hexachlorobiphenyl)
PCB 151 (2,2',3,5,5',6-Hexachlorobiphenyl)
PCB 152 (2,2',3,5,6,6'-Hexachlorobiphenyl)
PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
PCB 154 (2,2',4,4',5,6'-Hexachlorobiphenyl)
PCB 155 (2,2',4,4',6,6'-Hexachlorobiphenyl)
PCB 156 (2,3,3',4,4',5-Hexachlorobiphenyl)
PCB 157 (2,3,3',4,4',5'-Hexachlorobiphenyl)
PCB 158 (2,3,3',4,4',6-Hexachlorobiphenyl)
PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)
PCB 16 (2,2',3-Trichlorobiphenyl)

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PCB 160 (2,3,3',4,5,6-Hexachlorobiphenyl)
 PCB 161 (2,3,3',4,5',6-Hexachlorobiphenyl)
 PCB 162 (2,3,3',4',5,5'-Hexachlorobiphenyl)
 PCB 163 (2,3,3',4',5,6-Hexachlorobiphenyl)
 PCB 164 (2,3,3',4',5',6-Hexachlorobiphenyl)
 PCB 165 (2,3,3',5,5',6-Hexachlorobiphenyl)
 PCB 166 (2,3,4,4',5,6-Hexachlorobiphenyl)
 PCB 167 (2,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 168 (2,3',4,4',5',6-Hexachlorobiphenyl)
 PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
 PCB 17 (2,2',4-Trichlorobiphenyl)
 PCB 170 (2,2',3,3',4,4',5-Heptachlorobiphenyl)
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)
 PCB 172 (2,2',3,3',4,5,5'-Heptachlorobiphenyl)
 PCB 173 (2,2',3,3',4,5,6-Heptachlorobiphenyl)
 PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)
 PCB 175 (2,2',3,3',4,5',6-Heptachlorobiphenyl)
 PCB 176 (2,2',3,3',4,6,6'-Heptachlorobiphenyl)
 PCB 177 (2,2',3,3',4,6',6'-Heptachlorobiphenyl)
 PCB 178 (2,2',3,3',5,5',6-Heptachlorobiphenyl)
 PCB 179 (2,2',3,3',5,6,6'-Heptachlorobiphenyl)
 PCB 18 (2,2',5-Trichlorobiphenyl)
 PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)
 PCB 181 (2,2',3,4,4',5,6-Heptachlorobiphenyl)
 PCB 182 (2,2',3,4,4',5,6'-Heptachlorobiphenyl)
 PCB 183 (2,2',3,4,4',5',6-Heptachlorobiphenyl)
 PCB 184 (2,2',3,4,4',6,6'-Heptachlorobiphenyl)
 PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)
 PCB 186 (2,2',3,4,5,6,6'-Heptachlorobiphenyl)
 PCB 187 (2,2',3,4',5,5',6-Heptachlorobiphenyl)
 PCB 188 (2,2',3,4',5,6,6'-Heptachlorobiphenyl)
 PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)
 PCB 19 (2,2',6-Trichlorobiphenyl)
 PCB 190 (2,3,3',4,4',5,6-Heptachlorobiphenyl)
 PCB 191 (2,3,3',4,4',5',6-Heptachlorobiphenyl)
 PCB 192 (2,3,3',4,5,5',6-Heptachlorobiphenyl)
 PCB 193 (2,3,3',4',5,5',6-Heptachlorobiphenyl)
 PCB 194 (2,2',3,3',4,4',5,5'-Octachlorobiphenyl)
 PCB 195 (2,2',3,3',4,4',5,6-Octachlorobiphenyl)
 PCB 196 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl)
 PCB 197 (2,2',3,3',4,4',6,6'-Octachlorobiphenyl)
 PCB 198 (2,2',3,3',4,5,5',6-Octachlorobiphenyl)
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)
 PCB 2 (3-Chlorobiphenyl)
 PCB 20 (2,3,3'-Trichlorobiphenyl)
 PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
 PCB 201 (2,2',3,3',4,5',6'-Octachlorobiphenyl)
 PCB 202 (2,2',3,3',5,5',6,6'-Octachlorobiphenyl)
 PCB 203 (2,2',3,4,4',5,5',6-Octachlorobiphenyl)
 PCB 204 (2,2',3,4,4',5,6,6'-Octachlorobiphenyl)
 PCB 205 (2,3,3',4,4',5,5',6-Octachlorobiphenyl)
 PCB 206 (2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)
 PCB 207 (2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl)

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PCB 208 (2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl)
PCB 21 (2,3,4-Trichlorobiphenyl)
PCB 22 (2,3,4'-Trichlorobiphenyl)
PCB 23 (2,3,5-Trichlorobiphenyl)
PCB 24 (2,3,6-Trichlorobiphenyl)
PCB 25 (2,3',4-Trichlorobiphenyl)
PCB 26 (2,3',5-Trichlorobiphenyl)
PCB 27 (2,3',6-Trichlorobiphenyl)
PCB 28 (2,4,4'-Trichlorobiphenyl)
PCB 29 (2,4,5-Trichlorobiphenyl)
PCB 3 (4-Chlorobiphenyl)
PCB 30 (2,4,6-Trichlorobiphenyl)
PCB 31 (2,4',5-Trichlorobiphenyl)
PCB 32 (2,4',6-Trichlorobiphenyl)
PCB 33 (2,3',4'-Trichlorobiphenyl)
PCB 34 (2,3',5'-Trichlorobiphenyl)
PCB 35 (3,3',4-Trichlorobiphenyl)
PCB 36 (3,3',5-Trichlorobiphenyl)
PCB 37 (3,4,4'-Trichlorobiphenyl)
PCB 38 (3,4,5-Trichlorobiphenyl)
PCB 39 (3,4',5-Trichlorobiphenyl)
PCB 4 (2,2'-Dichlorobiphenyl)
PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)
PCB 41 (2,2',3,4-Tetrachlorobiphenyl)
PCB 42 (2,2',3,4'-Tetrachlorobiphenyl)
PCB 43 (2,2',3,5-Tetrachlorobiphenyl)
PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)
PCB 45 (2,2',3,6-Tetrachlorobiphenyl)
PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)
PCB 47 (2,2',4,4'-Tetrachlorobiphenyl)
PCB 48 (2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
PCB 5 (2,3-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)
PCB 54 (2,2',6,6'-Tetrachlorobiphenyl)
PCB 55 (2,3,3',4-Tetrachlorobiphenyl)
PCB 56 (2,3,3',4'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',5-Tetrachlorobiphenyl)
PCB 58 (2,3,3',5'-Tetrachlorobiphenyl)
PCB 59 (2,3,3',6-Tetrachlorobiphenyl)
PCB 6 (2,3'-Dichlorobiphenyl)
PCB 60 (2,3,4,4'-Tetrachlorobiphenyl)
PCB 61 (2,3,4,5-Tetrachlorobiphenyl)
PCB 62 (2,3,4,6-Tetrachlorobiphenyl)
PCB 63 (2,3,4',5-Tetrachlorobiphenyl)
PCB 64 (2,3,4',6-Tetrachlorobiphenyl)
PCB 65 (2,3,5,6-Tetrachlorobiphenyl)
PCB 66 (2,3',4,4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-Tetrachlorobiphenyl)

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PCB 68 (2,3',4,5'-Tetrachlorobiphenyl)
PCB 69 (2,3',4,6-Tetrachlorobiphenyl)
PCB 7 (2,4-Dichlorobiphenyl)
PCB 70 (2,3',4',5-Tetrachlorobiphenyl)
PCB 71 (2,3',4',6-Tetrachlorobiphenyl)
PCB 72 (2,3',5,5'-Tetrachlorobiphenyl)
PCB 73 (2,3',5',6-Tetrachlorobiphenyl)
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)
PCB 75 (2,4,4',6-Tetrachlorobiphenyl)
PCB 76 (2,3',4',5'-Tetrachlorobiphenyl)
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)
PCB 79 (3,3',4,5'-Tetrachlorobiphenyl)
PCB 8 (2,4'-Dichlorobiphenyl)
PCB 80 (3,3',5,5'-Tetrachlorobiphenyl)
PCB 81 (3,4,4',5-Tetrachlorobiphenyl)
PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)
PCB 83 (2,2',3,3',5-Pentachlorobiphenyl)
PCB 84 (2,2',3,3',6-Pentachlorobiphenyl)
PCB 85 (2,2',3,4,4'-Pentachlorobiphenyl)
PCB 86 (2,2',3,4,5-Pentachlorobiphenyl)
PCB 87 (2,2',3,4,5'-Pentachlorobiphenyl)
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)
PCB 89 (2,2',3,4,6'-Pentachlorobiphenyl)
PCB 9 (2,5-Dichlorobiphenyl)
PCB 90 (2,2',3,4',5-Pentachlorobiphenyl)
PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)
PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)
PCB 93 (2,2',3,5,6-Pentachlorobiphenyl)
PCB 94 (2,2',3,5,6'-Pentachlorobiphenyl)
PCB 95 (2,2',3,5',6-Pentachlorobiphenyl)
PCB 96 (2,2',3,6,6'-Pentachlorobiphenyl)
PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)
PCB 98 (2,2',3,4',6'-Pentachlorobiphenyl)
PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)

Water (Organic)

Taste and Odour Compounds - Water (038)

BU-TM-1115; modified from EPA 8270D

HI RESOLUTION GC/HRMS

2-Isobutyl-3-methoxypyrazine

2-Isopropyl-3-methoxypyrazine

2-Methylisoborneol (MIB)

2,3,6-Trichloroanisole

2,4,6-Trichloroanisole

3,4,5-Trichloroveratrole

Geosmin

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