Membership Number: 3317
Laboratory Name: Pacific Rim Laboratories Inc.
Parent Institution:
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: February 12, 2020
Valid To: September 30, 2021

Scope of Accreditation

Food (Organic)
Brominated Flame Retardants - Food [Butter, Dairy, Egg, Fish Oil, Meat, Nut Butter, Vegetable Oil]  (021)
SOP LAB06F/GC-HRMS; modified from EPA 1614
HRGC/HRMS-EXTRACTION
2,2’,3,3’,4,4’,5,6’-Octabromodiphenyl ether
2,2’,3,3’,4,4’,6’-Heptabromodiphenyl ether
2,2’,3,4,4’,6’-Hexabromodiphenyl ether
2,2’,4,4’,5,5’-HxBB
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2’,4,4’,6-Pentabromodiphenyl ether)
PBDE 119 (2,3’,4,4’,6-Pentabromodiphenyl ether)
PBDE 126 (3,3’,4,4’,5-Pentabromodiphenyl ether)
PBDE 138 (2,2’,3,4,4’,5’-Hexabromodiphenyl ether)
PBDE 139 (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 156/169 (2,3,3’,4,4’,5-Hexabromodiphenyl ether + 3,3’,4,4’,5,5’-Hexabromodiphenyl ether)
PBDE 17 (2,2’,4-Tribromodiphenyl ether)
PBDE 180 (2,2’,3,4,4’,5,5’-Heptabromodiphenyl ether)
PBDE 183 (2,2’,3,4,4’,5,6-Heptabromodiphenyl ether)
PBDE 184 (2,2’,3,4,4’,6,6’-Heptabromodiphenyl ether)
PBDE 191 (2,3,3’,4,4’,5,6-Heptabromodiphenyl ether)
PBDE 197 (2,2’,3,3’,4,4’,6,6’-Octabromodiphenyl ether)

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| PBDE 201  | (2,2',3,3',4,5',6,6'-Octabromodiphenyl ether) |
| PBDE 203  | (2,2',3,4,4',5,5',6-Octabromodiphenyl ether) |
| PBDE 204  | (2,2',3,4,4',5,6,6'-Octabromodiphenyl ether) |
| PBDE 205  | (2,3,3',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 210  | (2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether) |
| PBDE 209  | (2,2',3,4,4',5,5',6,6'-Decabromodiphenyl ether) |
| PBDE 28   | (2,4,4'-Tribromodiphenyl ether) |
| PBDE 30   | (2,4,6-Tribromodiphenyl ether) |
| PBDE 47   | (2,2',4,4'-Tetabromodiphenyl ether) |
| PBDE 49   | (2,2',4,5'-Tetabromodiphenyl ether) |
| PBDE 66   | (2,3',4,4'-Tetabromodiphenyl ether) |
| PBDE 7    | (2,4-Dibromodiphenyl ether) |
| PBDE 71   | (2,3',4,6-Tetabromodiphenyl ether) |
| PBDE 77   | (3,3',4,4'-Tetabromodiphenyl ether) |
| PBDE 85   | (2,2',3,4,4'-Pentabromodiphenyl ether) |
| PBDE 99   | (2,2',4,4',5-Pentabromodiphenyl ether) |

**Food (Organic)**

Polychlorinated Biphenyls (PCB) - Food (012)

SOP LAB02F; modified from EPA 1668C

HRGC/HRMS-EXTRACTION

<table>
<thead>
<tr>
<th>Compound</th>
<th>Formulas</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2',3,3',4,5',6-HxCB (PCB-132/161)</td>
<td></td>
</tr>
<tr>
<td>2,2',3,3',4,5,5'-HxCB (PCB-131)</td>
<td></td>
</tr>
<tr>
<td>2,2',3,3',6,4,5,5'-HxCB (PCB-084/121)</td>
<td></td>
</tr>
<tr>
<td>2,2',3,3',6,6',5,5'-HxCB (PCB-136/148)</td>
<td></td>
</tr>
<tr>
<td>2,3,3,4,4',5,6-PeCB (PCB-112)</td>
<td></td>
</tr>
<tr>
<td>2,3,3,4,5,6-PeCB (PCB-116)</td>
<td></td>
</tr>
<tr>
<td>2-Chlorobiphenyl (PCB 1)</td>
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</tr>
<tr>
<td>2,6-Dichlorobiphenyl (PCB 10)</td>
<td></td>
</tr>
<tr>
<td>2,4,4'-Hexachlorobiphenyl (PCB 100)</td>
<td></td>
</tr>
<tr>
<td>2,4,5,5'-Hexachlorobiphenyl (PCB 101)</td>
<td></td>
</tr>
<tr>
<td>2,4,5,6-Pentachlorobiphenyl (PCB 103)</td>
<td></td>
</tr>
<tr>
<td>2,4,6,6'-Pentachlorobiphenyl (PCB 104)</td>
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</tr>
<tr>
<td>(2,3,3',4,4'-Pentachlorobiphenyl + 3,3',4,5,5'-Pentachlorobiphenyl)</td>
<td></td>
</tr>
<tr>
<td>2,3,3',4,5,5,6-Pentachlorobiphenyl (PCB 110)</td>
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</tr>
<tr>
<td>2,3,3',4,5,5,6-Pentachlorobiphenyl (PCB 112)</td>
<td></td>
</tr>
<tr>
<td>(3,3,4,5,5-Dichlorobiphenyl + 3,4,5,5-Dichlorobiphenyl)</td>
<td></td>
</tr>
</tbody>
</table>

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PCB 120 (2,3',4,5,5'-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 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 128/162 (2,2',3,3',4,4'-Pentachlorobiphenyl) + 2,3,3',4',5,5'-Hexachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-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 139/149 (2,2',3,4,4',6-Hexachlorobiphenyl) + 2,2',3,4,5',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',6-Hexachlorobiphenyl)
PCB 148 (2,2',3,4',6'-Hexachlorobiphenyl)
PCB 149 (2,2',3,4,5,5'-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',3,4,4',5'-Hexachlorobiphenyl)
PCB 154 (2,2',3,4,4',6-Hexachlorobiphenyl)
PCB 155 (2,2',4,4',5,6'-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 163/164 (2,3,3',4,5,6-Hexachlorobiphenyl) + 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'-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)

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| 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 182/187 | (2,2',3,4,4',5,6'-Heptachlorobiphenyl \+ 2,2',3,4,4',5,5'-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 188 | (2,2',3,4',5,5,6'-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 20/33 | (2,3,3'-Trichlorobiphenyl \+ 2,4,6-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-Octachlorobiphenyl) |
| 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',4,5,5',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) |

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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 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 47/48 (2,2',4,4'-Tetrachlorobiphenyl + 2,2',4,5-Tetrachlorobiphenyl)
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)
PCB 5/8 (2,3-Dichlorobiphenyl + 2,4'-Dichlorobiphenyl)
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)
PCB 52/69 (2,2',5,5'-Tetrachlorobiphenyl + 2,3',4,6-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',5'-Tetrachlorobiphenyl)
PCB 57 (2,3,3',4-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 64/72 (2,3,4,6-Tetrachlorobiphenyl + 2,3',5,5'-Tetrachlorobiphenyl)
PCB 65/75 (2,3,5,6-Tetrachlorobiphenyl + 2,4,4',6-Tetrachlorobiphenyl)
PCB 66 (2,3',4',4'-Tetrachlorobiphenyl)
PCB 67 (2,3',4,5-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)

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PCB 73 (2,3',5,6-Tetrachlorobiphenyl)  
PCB 74 (2,4,4',5-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 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 85 (2,2',3,4,4'-Pentachlorobiphenyl)  
PCB 86/97/117 (2,2',3,4,5-Pentachlorobiphenyl + 2,2',3,4,5'-Pentachlorobiphenyl + 2,3,4,5,6-Pentachlorobiphenyl)  
PCB 87/115 (2,2',3,4,5'-Pentachlorobiphenyl + 2,3,4,4',6-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 93/98/102 (2,2',3,5,6-Pentachlorobiphenyl + 2,2',3,4,6'-Pentachlorobiphenyl + 2,2',4,5,6'-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 99 (2,2',4,4',5-Pentachlorobiphenyl)  
Total Dichlorobiphenyls  
Total Heptachlorobiphenyls (Total HpCBs)  
Total Hexachlorobiphenyls (Total HxCBs)  
Total Monochlorobiphenyls  
Total Nonachlorobiphenyls (Total NoCBs)  
Total Octachlorobiphenyls (Total OcCBs)  
Total Pentachlorobiphenyls (Total PeCBs)  
Total Tetrachlorobiphenyls (Total TeCBs)  
Total Trichlorobiphenyls (Total TrCBs)  

Food (Organic)  
Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Food (011)  
SOP LAB01F; modified from EPA 1613B  
HRGC/HRMS-EXTRACTION  
1,2,3,4,5,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,5,6,7,8-HpCDD)  
1,2,3,4,5,6,7,8-Heptachlorodibenzoofuran (1,2,3,4,5,6,7,8-HpCDF)  
1,2,3,4,5,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,5,6,7,8-HxCDD)  
1,2,3,4,5,6,7,8-Hexachlorodibenzoofuran (1,2,3,4,5,6,7,8-HxCDF)  
1,2,3,4,5,6,7,8-Heptachlorodibenzoofuran (1,2,3,4,5,6,7,8-HpCDF)  
1,2,3,5,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,5,6,7,8-HxCDD)  
1,2,3,5,6,7,8-Hexachlorodibenzoofuran (1,2,3,5,6,7,8-HxCDF)  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)  

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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)

**Food (Organic)**
Polycyclic Aromatic Hydrocarbons (PAH) - Food (010)

SOP LAB03F; IN-HOUSE
HRGC/HRMS-EXTRACTION

Acenaphthene
Acenaphthylene
Anthracene
Benzo (a) anthracene
Benzo(a)pyrene
Benzo(b,j)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

**Solids (Organic)**
Brominated Flame Retardants - Solids [Sediment, Soil] (014)

SOP LAB06; modified from EPA 1614
HRGC/HRMS-EXTRACTION

2,2',3,3',4,4',5,6'-Octabromodiphenyl ether
2,2',3,3',4,4',6'-Heptabromodiphenyl ether
2,2',3,4,4',6'-Hexabromodiphenyl ether
2,2',4,4',5,5'-HxBB
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)

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PBDE 119 (2,3′,4,4′,6-Pentabromodiphenyl ether)
PBDE 126 (3,3′,4,4′,5-Pentabromodiphenyl ether)
PBDE 138 (2,2′,3,4,4′,5′-Hexabromodiphenyl ether)
PBDE 139 (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 156/169 (2,3,3′,4,4′,5-Hexabromodiphenyl ether + 3,3′,4,4′,5,5′-Hexabromodiphenyl ether)
PBDE 17 (2,2′,4-Tribromodiphenyl ether)
PBDE 153 (2,2′,4,4′,5,6′-Heptabromodiphenyl ether)
PBDE 180 (2,2′,3,4,4′,5,5′-Hexabromodiphenyl ether)
PBDE 183 (2,2′,3,4,4′,5′,6-Hexabromodiphenyl ether)
PBDE 184 (2,2′,3,4,4′,6,6′-Heptabromodiphenyl ether)
PBDE 191 (2,3,3′,4,4′,5,6-Heptabromodiphenyl ether)
PBDE 197/204 (2,2′,3,3′,4,4′,5,6,6′-Octabromodiphenyl ether + 2,2′,3,4,4′,5,6,6′-Octabromodiphenyl ether)
PBDE 201 (2,2′,3,3′,4,5′,6,6′-Octabromodiphenyl ether)
PBDE 203 (2,2′,3,4,4′,5,5′,6-Octabromodiphenyl ether)
PBDE 205 (2,3,3′,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 28 (2,4,4′-Tri bromodiphenyl ether)
PBDE 30 (2,4,6-Tri bromodiphenyl ether)
PBDE 47 (2,2′,4,4′-Tetrabromodiphenyl ether)
PBDE 49 (2,2′,4,5′-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 77 (3,3′,4,4′-Tetrabromodiphenyl ether)
PBDE 85 (2,2′,3,4,4′-Pentabromodiphenyl ether)
PBDE 99 (2,2′,4,4′,5-Pentabromodiphenyl ether)

**Solids (Organic)**
Organochlorine (OC) Pesticides - Solids [Biosolid, Sediment, Soil] (019)
SOP LAB012; EPA 1699
HRGC/HRMS-EXTRACTION
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)
Aldrin
alpha-BHC
alpha-Chlordane
beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-Hexachlorocyclohexane)
cis-Nonachlor

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delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)
Dieldrin
Endosulfan I (a-Endosulfan)
Endosulfan II (b-Endosulfan)
Endosulfan Sulfate
Endrin
gamma-Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Lindane (gamma-BHC)
Methoxychlor
Mirex
Oxychlordane
Pentachlorobenzene
Toxaphene 26 (Parlar 26)
Toxaphene 50 (Parlar 50)
Toxaphene 62 (Parlar 62)

**Solids (Organic)**
Perfluorinated Compounds (PFC) - Solids [Soil] (026)
SOP LAB16; modified from EPA 537
LC-MS/MS - EXTRACTION
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUDS)
4,8-Dioxa-3H-perfluoronanoate (ADONA)
4:2 fluorotelomersulfonate (4:2 FTS)
6:2 fluorotelomersulfonate (6:2 FTS)
8:2 fluorotelomersulfonate (8:2 FTS)
9-Chlorohexadecafluoro-3-oxanone-1-sulfonate (9Cl-PF3ONS)
Hexafluoropropylene oxide dimer acid (HFPO-DA)
N-Ethyl perfluoroctane sulfonamidoacetic acid (NEtFOSSA)
N-Methyl perfluoroctane sulfonamidoacetic acid (MeFOSAA)
Perfluorobutanesulfonic acid (PFBS, Perfluorobutanesulfonate)
Perfluorobutanoic acid (PFBA, Perfluorobutanoate)
Perfluorodecanesulfonic acid (PFDS, Perfluorodecanesulfonate)
Perfluorodecanoic acid (PFDA, Perfluorodecanoate)
Perfluorododecanoic acid (PFDoA, Perfluorododecanoate)
Perfluoroheptanesulfonic acid (PFHpS, Perfluoroheptanesulfonate)
Perfluoroheptanoic acid (PFHpA, Perfluorohepanoate)
Perfluorohexanesulfonate (PFHxS)
Perfluorohexanoic acid (PFHxA, Perfluorohexanoate)
Perfluorononanesulfonic acid (PFNS, Perfluorononanesulfonate)
Perfluorononanoic acid (PFNA, Perfluorononanoate)
Perfluorooctanesulfonic acid (PFOS, Perfluorooctanesulfonate)
Perfluorooctanoic acid (PFOA, Perfluorooctanoate)
Perfluoropentanesulfonic acid (PFPeS, Perfluoropentanesulfonate)

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Perfluoropentanoic acid (PFPeA, Perfluoropentanoate)
Perfluorotetradecanoic acid (PFTeDA, Perfluorotetradecanoate)
Perfluorotridecanoic acid (PFTrDA, Perfluorotridecanoate)
Perfluoroundecanoic acid (PFUnA, Perfluoroundecanoate)

**Solids (Organic)**
Polychlorinated Biphenyls (PCB) - Solids [Sediment, Soil] (004)
SOP LAB02; modified from EPA 1668C
HRGC/HRMS-EXTRACTION
2,2',3,3',4,6'/2,3,3',4,5',6'-HxCB (PCB-132/161)
2,2',3,3',4,6/2,2',3,3',5,5'-HxCB (PCB-131/133)
2,2',3,3',6/2,3',4,5',6'-PeCB (PCB-084/121)
2,2',3,3',6,6'/2,2',3,4',5,6'-HxCB (PCB-136/148)
2,3,3',5,6/2,3',4,4',6-PeCB (PCB-112/119)
2,3,4,5,6/2,3',4',5',6-PeCB (PCB-116/125)
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 103 (2,2',4,5',6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105/127 (2,3,3',4,4'-Pentachlorobiphenyl + 3,3',4,5,5'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107/108 (2,3,3',4,5-Pentachlorobiphenyl + 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 113 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 114 (2,3,3',4,5'-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 12/13 (3,4-Dichlorobiphenyl + 3,4'-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-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 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 128/162 (2,2',3,3',4,4'-Pentachlorobiphenyl + 2,3,3',4,5,5'-Hexachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-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 139/149 (2,2',3,4,4,6-Hexachlorobiphenyl + 2,2',3,4,5,6-Hexachlorobiphenyl)
PCB 14 (3,5-Dichlorobiphenyl)
PCB 140 (2,2',3,4,4',6-Hexachlorobiphenyl)

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| 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',6,6'-Hexachlorobiphenyl) |
| PCB 149 | (2,3,4,4',5,6-Hexachlorobiphenyl) |
| PCB 150 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 151 | (2,3,5,5',6-Hexachlorobiphenyl) |
| PCB 152 | (2,3,4,5,6'-Hexachlorobiphenyl) |
| PCB 153 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 154 | (2,3,4,5,6'-Hexachlorobiphenyl) |
| PCB 155 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 156 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 157 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 158 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 159 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 160 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 161 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 162 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 163 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 164 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 165 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 166 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 167 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 168 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 169 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 170 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 171 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 172 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 173 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 174 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 175 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 176 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 177 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 178 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 179 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 180 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 181 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 182 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 183 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 184 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 185 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 186 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 187 | (2,3,4,5,6-Hexachlorobiphenyl) |
| PCB 188 | (2,3,4,5,6-Hexachlorobiphenyl) |

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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',6-Heptachlorobiphenyl)
PCB 192 (2,3,3',4,5,5'-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 20/33 (2,3,3'-Trichlorobiphenyl + 2,4,6-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',3,4,4',5,5,6,6'-Nonachlorobiphenyl)
PCB 207 (2,2',3,4,4',5,5,6,6'-Nonachlorobiphenyl)
PCB 208 (2,2',3,3',4,5,5,6,6'-Nonachlorobiphenyl)
PCB 209 (2,2',3,3',4,4',5,5,5,6,6'-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 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)

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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 47/48 (2,2',4,4'-Tetrachlorobiphenyl + 2,2',4,5'-Tetrachlorobiphenyl)  
PCB 49 (2,2',4,5'-Tetrachlorobiphenyl)  
PCB 50 (2,2',4,6-Tetrachlorobiphenyl)  
PCB 51 (2,2',4,6'-Tetrachlorobiphenyl)  
PCB 52/69 (2,2',5,5'-Tetrachlorobiphenyl + 2,3',4,6-Tetrachlorobiphenyl)  
PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)  
PCB 54 (2,2',5,6'-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 64/72 (2,3,4',6-Tetrachlorobiphenyl + 2,3',5,5'-Tetrachlorobiphenyl)  
PCB 65/75 (2,3,5,6-Tetrachlorobiphenyl + 2,4,4',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 70 (2,3',4,5-Tetrachlorobiphenyl)  
PCB 71 (2,3',4,6-Tetrachlorobiphenyl)  
PCB 72 (2,3',5,6-Tetrachlorobiphenyl)  
PCB 73 (2,3',5,6-Tetrachlorobiphenyl)  
PCB 74 (2,4,4',5-Tetrachlorobiphenyl)  
PCB 75 (2,4,4',5-Tetrachlorobiphenyl)  
PCB 76 (2,4,4',6'-Tetrachlorobiphenyl)  
PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)  
PCB 78 (3,3',4,5-Tetrachlorobiphenyl)  
PCB 79 (3,3',4,5-Tetrachlorobiphenyl)  
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',4'-Pentachlorobiphenyl)  
PCB 85 (2,2',3,3',4-Pentachlorobiphenyl)  
PCB 86/97/117 (2,2',3,4,5-Pentachlorobiphenyl + 2,2',3,4,5'-Pentachlorobiphenyl + 2,3,4,5,6-Pentachlorobiphenyl)  
PCB 87/115 (2,2',3,4,5'-Pentachlorobiphenyl + 2,3,4,4',6-Pentachlorobiphenyl)  
PCB 88 (2,2',3,4,6-Pentachlorobiphenyl)

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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 93/98/102 (2,2',3,5,6-Pentachlorobiphenyl + 2,2',3,4',6'-Pentachlorobiphenyl + 2,2',4,5,6'-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 99 (2,2',4,4',5-Pentachlorobiphenyl)

Total Dichlorobiphenyls
Total Heptachlorobiphenyls (Total HpCBs)
Total Hexachlorobiphenyls (Total HxCBs)
Total Monochlorobiphenyls
Total Nonachlorobiphenyls (Total NoCBs)
Total Octachlorobiphenyls (Total OcCBs)
Total Pentachlorobiphenyls (Total PeCBs)
Total Tetrachlorobiphenyls (Total TeCBs)
Total Trichlorobiphenyls (Total TrCBs)

Solids (Organic)
Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Solids [Sediment, Soil]  (006)
SOP LAB01; modified from EPA 1613B
HRGC/HRMS-EXTRACTION
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-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)
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 Heptachlorodibenzofuran (Total HpCDF)
Total Hexachlorodibenzo-p-dioxins (Total HxCDD)
Total Hexachlorodibenzofuran (Total HxCDF)
Total Pentachlorodibenzo-p-dioxins (Total PeCDD)

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Total Tetrachlorodibenzo-p-dioxins (Total TCDD)
Total Tetrachlorodibenzofurans (Total TCDF)

**Solids (Organic)**
Polycyclic Aromatic Hydrocarbons (PAH) and Alkylated Polycyclic Aromatic Hydrocarbons (PAH) - Solids
[Sediment, Soil] (023)
SOP LAB013; IN-HOUSE

GC/MS/MS - EXTRACTION

1-Ethylpyrene
1-Methylbenz(a)anthracene
1-Methylnaphthalene
1-Methylnaphthalene
1-Methylpyrene
1,5-Dimethylphenanthrene
1,7-Dimethylphenanthrene
2-Methylnaphthalene
2-Methylnaphthalene
2,3,5-Naphthalene
2,6-Phenanthrene
3-Methylcholanthrene
5-Methylchrysene
6-Ethylchrysene
6-Methylenbenzo(a)pyrene
6-Methylnaphthalene
7-Methylbenz(a)anthracene
7-Methylnaphthalene
7,12-Dimethylenbenzo(a)anthracene
7H-Dibenzo(e,g)carbazole
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(g)chryscene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl (1,1-Biphenyl)
C1-Acenaphthenes
C1-Benz(a)anthracene/Chrysene
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluoranthenes/Pyrenes

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

Solids (Organic)
Tributyltins - Solids [Sediment, Soil]   (009)
SOP LAB04; IN-HOUSE
HRGC/HRMS-EXTRACTION
Dibutyltin dichloride
Monobutyltin trichloride
Tributyltin chloride

Tissue (Organic)
Brominated Flame Retardants - Tissue   (015)
SOP LAB06; modified from EPA 1614
HRGC/HRMS-EXTRACTION
2,2’,3,3’,4,4’,5,6’-Octabromodiphenyl ether

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2,2',3,3',4,4',6'-Heptabromodiphenyl ether
2,2',3,4,4',6'-Hexabromodiphenyl ether
2,2',4,4',5,5'-HxBB
PBDE 10 (2,6-Dibromodiphenyl ether)
PBDE 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBDE 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBDE 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBDE 138 (2,2',3,4,4',5'-Hexabromodiphenyl ether)
PBDE 139 (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 156/169 (2,3,3',4,4',5-Hexabromodiphenyl ether + 3,3',4,4',5,5'-Hexabromodiphenyl ether)
PBDE 17 (2,2',4-Tribromodiphenyl ether)
PBDE 180 (2,2',3,4,4',5,5'-Heptabromodiphenyl ether)
PBDE 183 (2,2',3,4,4',5,6'-Hexabromodiphenyl ether)
PBDE 184 (2,2',3,4,4',6,6'-Heptabromodiphenyl ether)
PBDE 191 (2,3,3',4,4',6,6'-Heptabromodiphenyl ether)
PBDE 197/204 (2,2',3,3',4,4',5,6,6'-Octabromodiphenyl ether + 2,2',3,4,4',5,6,6'-Octabromodiphenyl ether)
PBDE 201 (2,2',3,3',4,5,5',6-Octabromodiphenyl ether)
PBDE 203 (2,2',3,4,4',5,5',6-Octabromodiphenyl ether)
PBDE 205 (2,3,3',4,4',5,5',6-Octabromodiphenyl ether)
PBDE 206 (2,2',3,3',4,5,5',6-Octabromodiphenyl ether)
PBDE 207 (2,2',3,3',4,5,5',6-Octabromodiphenyl ether)
PBDE 208 (2,2',3,3',4,5,5',6-Octabromodiphenyl ether)
PBDE 209 (2,2',3,3',4,5,5',6-Deca bromodiphenyl ether)
PBDE 28 (2,4,4'-Tribromodiphenyl ether)
PBDE 30 (2,4,4,6-Tetrabromodiphenyl ether)
PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-Tetrabromodiphenyl ether)
PBDE 66 (2,3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 7 (2,4-Dibromodiphenyl ether)
PBDE 71 (2,3',4,6-Tetrabromodiphenyl ether)
PBDE 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)

**Tissue (Organic)**
Organochlorine (OC) Pesticides - Tissue (020)
SOP LAB012; EPA 1699
HRGC/HRMS-EXTRACTION
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)

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Aldrin
alpha-BHC
alpha-Chlordane
beta-HCH (beta-Hexachlorocyclohexane, b-HCH, b-BHC, beta-HBC, beta-Hexachlorocyclohexane)
cis-Nonachlor
delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)
Dieldrin
Endosulfan I (a-Endosulfan)
Endosulfan II (b-Endosulfan)
Endosulfan Sulfate
Endrin
gamma-Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Lindane (gamma-BHC)
Methoxychlor
Mirex
Oxychlordane
Pentachlorobenzene
Toxaphene 26 (Parlar 26)
Toxaphene 50 (Parlar 50)
Toxaphene 62 (Parlar 62)

**Tissue (Organic)**
Polycyclic Aromatic Hydrocarbons (PAH) and Alkylated Polycyclic Aromatic Hydrocarbons (PAH) - Tissue (024)
SOP LAB013; IN-HOUSE
GC/MS/MS - EXTRACTION
1-Ethylpyrene
1-Methylbenz(a)anthracene
1-Methylnaphthalene
1-Methylnaphthalene
1-Methylpyrene
1,5-Dimethylphenanthrene
1,7-Dimethylphenanthrene
2-Methylnaphthalene
2-Methylnaphthalene
2,3,5-Naphthalene
2,6-Phenanthrene
3-Methylcholanthrene
5-Methylchrysene
6-Ethylchrysene
6-Methylbenzo(a)pyrene
6-Methylchrysene
7-Methylbenz(a)anthracene
7-Methylbenzo(a)pyrene
7,12-Dimethylbenz(a)anthracene

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7H-Dibenzo(e,g)carbazole
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(g)chrysene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl (1,1-Biphenyl)
C1-Aacenaphthenes
C1-Benz(a)anthracene/Chrysene
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes
C1-Naphthalenes
C1-Phenanthenes/Anthracenes
C2-Benzanthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls/Aacenaphthenes
C2-Dibenzothiophenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthenes/Anthracenes
C3-Dibenzothiophenes
C3-Naphthalenes
C3-Phenanthenes/Anthracenes
C4-Dibenzothiophenes
C4-Naphthalenes
C4-Phenanthenes/Anthracenes
Chrysene
Cyclopenta(cd)pyrene
Dibenzoacridines
Dibenzo(a,e)fluoranthene
Dibenzo(a,e)pyrene
Dibenzo (a,h) anthracene
Dibenzo(a,h)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,i)pyrene
Dibenzothiophene
Fluoranthene

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Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanethrene
Pyrene
Retene

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

**Water (Organic)**
Brominated Flame Retardants - Water (016)
SOP LAB06; modified from EPA 1614
HRGC/HRMS-EXTRACTION
2,2',3,3',4,4',5,5'-Octabromodiphenyl ether
2,2',3,3',4,4',6'-Heptabromodiphenyl ether
2,2',3,4,4',6'-Hexabromodiphenyl ether
2,2',4,4',5,5'-HxBB
PBDE 10 (2,6-Dibromodiphenyl ether)
PBD 100 (2,2',4,4',6-Pentabromodiphenyl ether)
PBD 119 (2,3',4,4',6-Pentabromodiphenyl ether)
PBD 126 (3,3',4,4',5-Pentabromodiphenyl ether)
PBD 138 (2,2',3,4,4',5-Hexabromodiphenyl ether)
PBD 139 (2,2',3,4',4',6-Hexabromodiphenyl ether)
PBD 15 (4,4'-Dibromodiphenyl ether)
PBD 153 (2,2',4,4',5,5'-Hexabromodiphenyl ether)
PBD 154 (2,2',4,4',5,6'-Hexabromodiphenyl ether)
PBD 156/169 (2,3,3',4,4',5-Hexabromodiphenyl ether + 3,3',4,4',5,5'-Hexabromodiphenyl ether)
PBD 17 (2,2',4-Tribromodiphenyl ether)
PBD 180 (2,2',3,4,4',5,5'-Hexabromodiphenyl ether)
PBD 183 (2,2',3,4,4',5,6'-Heptabromodiphenyl ether)
PBD 184 (2,2',3,4,4',6,6'-Heptabromodiphenyl ether)
PBD 191 (2,3,3',4,4',5,5'-Hexabromodiphenyl ether)
PBD 197/204 (2,2',3,3',4,4',6,6'-Octabromodiphenyl ether + 2,2',3,4,4',5,5,6,6'-Octabromodiphenyl ether)
PBD 201 (2,2',3,3',4,4',5,5,6,6'-Octabromodiphenyl ether)
PBD 203 (2,2',3,3',4,4',5,5'-Octabromodiphenyl ether)
PBD 205 (2,3,3',4,4',5,5'-Octabromodiphenyl ether)
PBD 206 (2,2',3,3',4,4',5,5'-Nonabromodiphenyl ether)
PBD 207 (2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether)
PBD 208 (2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether)
PBD 209 (2,2',3,3',4,4',5,5',6,6'-Nonabromodiphenyl ether)
PBD 28 (2,4,4'-Tribromodiphenyl ether)
PBD 30 (2,4,6-Tribromodiphenyl ether)

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PBDE 47 (2,2',4,4'-Tetrabromodiphenyl ether)
PBDE 49 (2,2',4,5'-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 77 (3,3',4,4'-Tetrabromodiphenyl ether)
PBDE 85 (2,2',3,4,4'-Pentabromodiphenyl ether)
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)

**Water (Organic)**

Nitrosamines - Water (017)
SOP LAB05; ON MOECC E3291
HRGC/HRMS-EXTRACTION
N-nitroso-N-methylethylamine NMEA
N-nitrosodi-n-butylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiethylamine
N-Nitrosodimethylamine (NDMA)
N-nitrosomorpholine NMOR
N-Nitroso Piperidine
N-Nitrosopyrrolidine

**Water (Organic)**

Organochlorine (OC) Pesticides - Water (018)
SOP LAB012; EPA 1699
HRGC/HRMS-EXTRACTION
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)
Aldrin
alpha-BHC
alpha-Chlordane
beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-Hexachlorocyclohexane)
cis-Nonachlor
delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)
Dieldrin
Endosulfan I (a-Endosulfan)
Endosulfan II (b-Endosulfan)
Endosulfan Sulfate
Endrin
gamma-Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Lindane (gamma-BHC)
Methoxychlor

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Mirex
Oxychlordane
Pentachlorobenzene

**Water (Organic)**
Perfluorinated Compounds (PFC) - Water (025)
SOP LAB16; modified from EPA 537
LC-MS/MS - EXTRACTION
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS)
4,8-Dioxo-3H-perfluorononanoate (ADONA)
4:2 fluorotelomersulfonate (4:2 FTS)
6:2 fluorotelomersulfonate (6:2 FTS)
8:2 fluorotelomersulfonate (8:2 FTS)
9-Chlorohexadecafluoro-3-oxanone-1-sulfonate (9Cl-PF3ONS)
Hexafluoropropylene oxide dimer acid (HFPO-DA)
N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)
N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA)
Perfluorobutanesulfonic acid (PFBS, Perfluorobutanesulfonate)
Perfluorobutanoic acid (PFBA, Perfluorobutanoate)
Perfluorodecanesulfonic acid (PFDS, Perfluorodecanesulfonate)
Perfluorodecanoic acid (PFDA, Perfluorodecanoate)
Perfluorododecanoic acid (PFDoA, Perfluorododecanoate)
Perfluorooctanesulfonic acid (PFHpS, Perfluorooctanesulfonate)
Perfluorooctanoic acid (PFHpA, Perfluorooctanoate)
Perfluorohexanesulfonate (PFHxS)
Perfluorohexanoic acid (PFHxA, Perfluorohexanoate)
Perfluorononanesulfonic acid (PFNS, Perfluorononanesulfonate)
Perfluorononanoic acid (PFNA, Perfluorononanoate)
Perfluorooctanesulfonic acid (PFOS, Perfluorooctanesulfonate)
Perfluorooctanesulfonamide (PFOSA)
Perfluorooctanoic acid (PFOA, Perfluorooctanoate)
Perfluoropentanesulfonic acid (PFPeS, Perfluoropentanesulfonate)
Perfluoropentanoic acid (PFPeA, Perfluoropentanoate)
Perfluorotetradecanoic acid (PFTeDA, Perfluorotetradecanoate)
Perfluorotridecanoic acid (PFTrDA, Perfluorotridecanoate)
Perfluoroundecanoic acid (PFUnA, Perfluoroundecanoate)

**Water (Organic)**
Polychlorinated Biphenyls (PCB) - Water (001)
SOP LAB02; modified from EPA 1668C
HRGC/HRMS-EXTRACTION
2,2',3,3',4,6/2,3,3',4,5',6-HxCB (PCB-132/161)
2,2',3,3',4,6/2,3,3',5,5'-HxCB (PCB-131/133)
2,2',3,3',6/2,3',4,5',6-PeCB (PCB-084/121)
2,2',3,3',6,6'/2,2',3,4',5',6'-HxCB (PCB-136/148)
2,3,3',5,6/2,3',4,4',6-PeCB (PCB-112/119)
2,3,4,5,6/2,3',4',5',6-PeCB (PCB-116/125)
PCB 1 (2-Chlorobiphenyl)
PCB 10 (2,6-Dichlorobiphenyl)

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PCB 100 (2,2',4,4',6-Pentachlorobiphenyl)
PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB 103 (2,2',4,5,6-Pentachlorobiphenyl)
PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)
PCB 105/127 (2,3,3',4,4'-Pentachlorobiphenyl + 3,3',4,5,5'-Pentachlorobiphenyl)
PCB 106 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 107/108 (2,3,3',4,5-Pentachlorobiphenyl + 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 113 (2,3,3',5,6-Pentachlorobiphenyl)
PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)
PCB 118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB 12/13 (3,4-Dichlorobiphenyl + 3,4'-Dichlorobiphenyl)
PCB 120 (2,3',4,5,5'-Pentachlorobiphenyl)
PCB 122 (2,3,3',4,5-Pentachlorobiphenyl)
PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)
PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB 128/162 (2,2',3,3',4,4'-Pentachlorobiphenyl + 3,3',4,5,5'-Hexachlorobiphenyl)
PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)
PCB 130 (2,2',3,3',4,5'-Hexachlorobiphenyl)
PCB 134 (2,2',3,3',5,6-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 139/149 (2,2',3,4,4',6-Hexachlorobiphenyl + 2,2',3,4,5,6-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 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)

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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 163/164 (2,3,3',4,5,6-Hexachlorobiphenyl + 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',4,5,5',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',4,6,6'-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 182/187 (2,2',3,4,4',5,6'-Heptachlorobiphenyl + 2,2',3,4',5,5',6-Heptachlorobiphenyl)
PCB 183 (2,2',3,4,4',5'-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',3,4,5,6,6'-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 20/33 (2,3,3'-Trichlorobiphenyl + 2,4,6-Trichlorobiphenyl)
PCB 200 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)
PCB 201 (2,2',3,3',4,5,6,6'-Octachlorobiphenyl)

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| 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 30  | (2,4,6-Trichlorobiphenyl) |
| PCB 31  | (2,4',5-Trichlorobiphenyl) |
| PCB 32  | (2,4',6-Trichlorobiphenyl) |
| PCB 33  | (2,5'-Trichlorobiphenyl) |
| PCB 34  | (2,5-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 40  | (2,2'-Dichlorobiphenyl) |
| PCB 41  | (2,2',3,3'-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 47/48| (2,2',4,4'-Tetrachlorobiphenyl + 2,2',4,5-Tetrachlorobiphenyl) |
| PCB 49  | (2,2',4,5'-Tetrachlorobiphenyl) |
| PCB 50  | (2,2',4,6-Tetrachlorobiphenyl) |
| PCB 51  | (2,2',4,6'-Tetrachlorobiphenyl) |
| PCB 52/69| (2,2',5,5'-Tetrachlorobiphenyl + 2,3',4,6-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) |

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<table>
<thead>
<tr>
<th>PCB Number</th>
<th>Chemical Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 58</td>
<td>(2,3,3',5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 59</td>
<td>(2,3,3',6'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 6</td>
<td>(2,3'-Dichlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 60</td>
<td>(2,3,4,4'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 61</td>
<td>(2,3,4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 62</td>
<td>(2,3,4,6-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 63</td>
<td>(2,3,4',5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 64/72</td>
<td>(2,3,4',6-Tetrachlorobiphenyl + 2,3',5,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 65/75</td>
<td>(2,3,5,6-Tetrachlorobiphenyl + 2,4,4',6-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 66</td>
<td>(2,3',4,4'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 67</td>
<td>(2,3',4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 68</td>
<td>(2,3',4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 69</td>
<td>(2,4-Dichlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 70</td>
<td>(2,3',4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 71</td>
<td>(2,3',4,6'-Tetrachlorobiphenyl)</td>
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<tr>
<td>PCB 73</td>
<td>(2,3',5,6-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 74</td>
<td>(2,4,4',5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 76</td>
<td>(2,3',4,5',5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 77</td>
<td>(3,3',4,4'-Tetrachlorobiphenyl)</td>
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<tr>
<td>PCB 78</td>
<td>(3,3',4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 79</td>
<td>(3,3',4,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 80</td>
<td>(3,3',5,5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 81</td>
<td>(3,4,4',5'-Tetrachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 82</td>
<td>(2,2',3,3',4-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 83</td>
<td>(2,2',3,3',5-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 85</td>
<td>(2,2',3,4,4'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 86/97/117</td>
<td>(2,2',3,4,5-Pentachlorobiphenyl + 2,2',3,4,4'-Pentachlorobiphenyl + 2,3,4,4',5,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 87/115</td>
<td>(2,2',3,4,5'-Pentachlorobiphenyl + 2,3,4,4',6-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 88</td>
<td>(2,2',3,4,6-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 89</td>
<td>(2,2',3,4,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 9</td>
<td>(2,5-Dichlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 90</td>
<td>(2,2',3,4,5'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 91</td>
<td>(2,2',3,4,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 92</td>
<td>(2,2',3,5,5'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 93/98/102</td>
<td>(2,2',3,5,6-Pentachlorobiphenyl + 2,2',3,4,4',6'-Pentachlorobiphenyl + 2,2',4,5,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 94</td>
<td>(2,2',3,5,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 95</td>
<td>(2,2',3,5',6-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 96</td>
<td>(2,2',3,6,6'-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>PCB 99</td>
<td>(2,2',4,4',5-Pentachlorobiphenyl)</td>
</tr>
<tr>
<td>Total Dichlorobiphenyls</td>
<td></td>
</tr>
<tr>
<td>Total Heptachlorobiphenyls (Total HpCBs)</td>
<td></td>
</tr>
<tr>
<td>Total Hexachlorobiphenyls (Total HxCBs)</td>
<td></td>
</tr>
<tr>
<td>Total Monochlorobiphenyls</td>
<td></td>
</tr>
<tr>
<td>Total Nonachlorobiphenyls (Total NoCBs)</td>
<td></td>
</tr>
</tbody>
</table>

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Total Octachlorobiphenyls (Total OcCBs)
Total Pentachlorobiphenyls (Total PeCBs)
Total Tetrachlorobiphenyls (Total TeCBs)
Total Trichlorobiphenyls (Total TrCBs)

Water (Organic)
Polychlorinated Dibenzo(p)dioxins and Dibenzofurans (PCDD/PCDF) - Water (005)
SOP LAB01; modified from EPA 1613B
HRGC/HRMS-EXTRACTION
1,2,3,4,6,7,8-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-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)
Polycyclic Aromatic Hydrocarbons (PAH) and Alkylated Polycyclic Aromatic Hydrocarbons (PAH) - Water (022)
SOP LAB013; IN-HOUSE
GC/MS/MS - EXTRACTION
1-Ethylpyrene
1-Methylbenz(a)anthracene
1-Methylnaphthalene
1-Methylnaphthalene
1-Methylpyrene
1,5-Dimethylphenanthrene
1,7-Dimethylphenanthrene
2-Methylnaphthalene
2-Methylnaphthalene
2,3,5-Naphthalene

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2,6-Phenanthrene
3-Methylcholanthrene
5-Methylchrysene
6-Ethylchrysene
6-Methylbenzo(a)pyrene
6-Methylchrysene
7-Methylbenz(a)anthracene
7-Methylbenzo(a)pyrene
7,12-Dimethylbenz(a)anthracene
7H-Dibenzo(e,g)carbazole
Acenaphthene
Acenaphthylene
Acridine
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(g)chrysene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl (1,1-Biphenyl)
C1-Acenaphthenes
C1-Benz(a)anthracene/Chrysene
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes
C1-Naphthalenes
C1-Phenanthrenes/Anthracenes
C2-Benzanthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls/Acenaphthenes
C2-Dibenzothiophenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthrenes/Anthracenes
C3-Dibenzothiophenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Dibenzothiophenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Chrysene

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Cyclopenta(cd)pyrene
Dibenzo(a,h)acridine
Dibenzo(a,e)fluoranthene
Dibenzo(a,e)pyrene
Dibenzo (a,h) anthracene
Dibenzo(a,h)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,i)pyrene
Dibenzo(a,j)acridine
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene
Quinoline
Retene

**Water (Organic)**
Tributyltins - Water (008)
SOP LAB04; IN-HOUSE
HRGC/HRMS-EXTRACTION
Dibutyltin dichloride
Monobutyltin trichloride
Tributyltin chloride

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