



# CALA Scope of Accreditation

**Laboratory Name:** ALS Environmental (Burlington)

**Client ID:** 1003508

**Parent Institution:** ALS Canada Ltd.

**Address:** 1435 Norjohn Court, Unit 1, Burlington, Ontario, L7L 0E6

**Contact:** Cameron McIntosh

**Email:** quality.burlington@alsglobal.com;  
David.Gurdibaniuk@alsglobal.com

**Phone:** (905) 331-3111

**Fax:** (905) 331-4567

**Standard:** Conforms with requirements of ISO/IEC 17025:2017

**Clients Served:**

**Revised On:** 12/04/2023

**Valid To:** 11/16/2025

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

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**Field of Accreditation:** Environmental

**Matrix:** Air

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1107, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 0023A	Yes	Yes	No
EPA 1613B	Yes	Yes	No
EPA 23	Yes	Yes	No
EPA 8290A	Yes	Yes	No
EPA TO-9A	Yes	Yes	No

### Parameter

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

## 002 - Dioxins and Furans (PCDD/PCDF)

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**Field of Accreditation:** Environmental

**Matrix:** Solids [Soil]

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1107, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1613B	Yes	Yes	No
EPA 8290A	Yes	Yes	No

### Parameter

1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)  
 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)  
 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)  
 1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)  
 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)  
 1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)  
 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)  
 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)  
 1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)  
 1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)  
 2,3,4,6,7,8-Hexachlorodibenzofuran (2,3,4,6,7,8-HxCDF)

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

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

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1107, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1613B	Yes	Yes	No
EPA 8290A	Yes	Yes	No

**Parameter**

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

### 004 - Mercury

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**Field of Accreditation:** Environmental

**Matrix:** Air

**Analytical Method:** COLD VAPOUR ATOMIC ABSORPTION (CVAA)

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1001, BU-TP-2001

Method Reference	Modified From	Analytical Method	Preparation Method
ASTM D6784-02	Yes	Yes	No
EPA 0060	Yes	Yes	No
EPA 101A	Yes	Yes	No
EPA 29	Yes	Yes	No
EPA 7470	Yes	Yes	No

**Parameter**

Mercury

### 005 - Metals

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**Field of Accreditation:** Environmental

**Matrix:** Air

**Analytical Method:** ICP/MS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1010, BU-TP-2001

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 0060	Yes	Yes	Yes
EPA 29	Yes	Yes	Yes
EPA 6020	Yes	Yes	No

**Parameter**  
Antimony  
Arsenic  
Barium  
Cadmium  
Chromium  
Cobalt  
Copper  
Lead  
Manganese  
Nickel  
Phosphorus  
Selenium  
Silver  
Thallium  
Vanadium  
Zinc

## 007 - Volatile Organic Compounds (VOC)

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**Field of Accreditation:** Environmental

**Matrix:** Air

**Analytical Method:** GC/MS-PURGE AND TRAP

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1114

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 5041A	Yes	Yes	No
EPA 8260B	Yes	Yes	No
EPA 8260C	Yes	Yes	No

### Parameter

1,1,1-Trichloroethane  
1,1,2,2-Tetrachloroethane  
1,1,2-Trichloroethane  
1,1-Dichloroethane  
1,1-Dichloroethene (1,1-Dichloroethylene)  
1,2,3-Trichloropropane  
1,2-Dichloroethane  
1,2-Dichloropropane  
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  
Hexanone  
Iodomethane  
m,p-Xylene  
o-Xylene  
Styrene  
Tetrachloroethylene  
Toluene  
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)  
trans-1,3-Dichloropropene  
Trichloroethene  
Trichlorofluoromethane (CFC-11, Freon 11)

## 009 - Polycyclic Aromatic Hydrocarbons (PAH)

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**Field of Accreditation:** Environmental

**Matrix:** Solids

**Analytical Method:** GC/MS

**Preparation Method:** SOXHLET EXTRACTION

**Lab Method ID(s):** BU-TM-1100, BU-TP-2100

Method Reference	Modified From	Analytical Method	Preparation Method
CARB 429	Yes	Yes	No
EPA 3540C	Yes	No	Yes

**Parameter**

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

**013 - Polycyclic Aromatic Hydrocarbons (PAH)**

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**Field of Accreditation:** Environmental**Matrix:** Air**Analytical Method:** GC/MS**Preparation Method:** SOXHLET EXTRACTION**Lab Method ID(s):** BU-TM-1100, BU-TP-2100

Method Reference	Modified From	Analytical Method	Preparation Method
CARB 429	Yes	Yes	No
EPA 3540C	Yes	No	Yes
EPA 8270E	Yes	Yes	No

**Parameter**

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

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

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**Field of Accreditation:** Environmental**Matrix:** Tissue**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1107, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1613B	Yes	Yes	No
EPA 8290A	Yes	Yes	No

**Parameter**

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

**Parameter**

Total Pentachlorodibenzo-p-dioxins (Total PeCDD)

Total Tetrachlorodibenzofurans (Total TCDF)

Total Tetrachlorodibenzo-p-dioxins (Total TCDD)

**015 - Polychlorinated Biphenyls (PCB) Congeners****Field of Accreditation:** Environmental**Matrix:** Solids [Sediment, Soil]**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1105, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1668A	Yes	Yes	No
EPA 1668C	Yes	Yes	No

**Parameter**

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'-Hexachlorobiphenyl)  
 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)

**Parameter**

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',4,5',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)  
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)

**Parameter**

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)  
 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)

**016 - Anions and Cations****Field of Accreditation:** Environmental**Matrix:** Air [Stack Emission]**Analytical Method:** ION CHROMATOGRAPHY (IC)**Preparation Method:****Lab Method ID(s):** BU-TM-1005

Method Reference	Modified From	Analytical Method	Preparation Method
CTM-027	Yes	Yes	No
EPA 0050	Yes	Yes	Yes

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 0051	Yes	Yes	Yes
EPA 26	Yes	Yes	Yes
EPA 26A	Yes	Yes	Yes
EPA 6	Yes	Yes	Yes
EPA 7A	Yes	Yes	No
EPA 7D	Yes	Yes	No
EPA 8	Yes	Yes	No
EPA 9056	Yes	Yes	No
EPA 9057	Yes	Yes	No

**Parameter**

Ammonia (NH3)  
 Bromine (Br2)  
 Chlorine  
 Hydrogen Bromide (HBr)  
 Hydrogen Chloride (HCl)  
 Hydrogen Fluoride (HF)  
 NOx  
 SOx

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

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1109, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	No

**Parameter**

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)  
 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)

**Parameter**  
PBDE 99 (2,2',4,4',5-Pentabromodiphenyl ether)  
Pentabromoethylbenzene (PBEB)

## 018 - Brominated Diphenyl Ethers (BDE) and Related Fire Retardants

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**Field of Accreditation:** Environmental

**Matrix:** Solids [Sediment, Soil]

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1109, BU-TP-2109

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	No

### Parameter

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)  
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)

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

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**Field of Accreditation:** Environmental

**Matrix:** Tissue

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1109, BU-TP-2109

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	No

### Parameter

1,2-Bis(2,4,6-tribromophenoxy)ethane (BTBPE)  
Decabromodiphenyl ethane  
Hexabromobenzene (HBB)  
PBDE 10 (2,6-Dibromodiphenyl ether)

**Parameter**

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)

**020 - Brominated Diphenyl Ethers (BDE) and Related Fire Retardants**

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**Field of Accreditation:** Environmental**Matrix:** Air**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1109, BU-TP-2109

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	No

**Parameter**

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)

**Parameter**

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)

**023 - Polyaromatic Hydrocarbons (PAH)**

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**Field of Accreditation:** Food**Matrix:** Food [Beverage, Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat]**Analytical Method:** GC/HRMS**Preparation Method:** EXTRACTION**Lab Method ID(s):** BU-TM-1100, BU-TP-2100

Method Reference	Modified From	Analytical Method	Preparation Method
CARB 429	Yes	Yes	No
EPA 3510C	Yes	Yes	No

**Parameter**

1-Methylnaphthalene  
 2-Methylnaphthalene  
 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  
 Perylene  
 Phenanthrene  
 Pyrene

**024 - Organochlorine (OC) Pesticides**

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**Field of Accreditation:** Environmental**Matrix:** Solids**Analytical Method:** GC/HRMS**Preparation Method:** EXTRACTION**Lab Method ID(s):** BU-TM-1103, BU-TP-2103

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1699	Yes	Yes	No

**Parameter**

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

**Parameter**  
 4,4'-DDD (p,p'-DDD)  
 4,4'-DDE (p,p'-DDE)  
 4,4'-DDT (p,p'-DDT)  
 Aldrin  
 alpha-Chlordane (a-Chlordane)  
 alpha-Hexacyclohexane (alpha-HCH, a-HCH, a-BHC, alpha-BHC)  
 beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-HCH, beta-BHC)  
 bornane  
 cis-Nonachlor  
 delta-Hexachlorocyclohexane (d-HCH, d-BHC, delta-HCH, delta-BHC)  
 Dieldrin  
 Endosulfan I (Endosulphan I, a-Endosulfan)  
 Endosulfan II (b-Endosulfan)  
 Endosulfan sulfate (Endosulphan sulphate)  
 Endrin  
 Heptachlor  
 Heptachlor epoxide  
 Hexachlorobenzene (HCB)  
 Lindane (gamma-Hexachlorocyclohexane, g-HCH, g-BHC, gamma-HCH, gamma-BHC)  
 Methoxychlor  
 Mirex  
 Octachlorostyrene  
 Oxychlordane  
 Pentachlorobenzene  
 Toxaphene 50 (Parlar 50) (2-endo,3-exo,5-endo,6-exo,8,8,9,10,10-Nonachlorbornane)  
 Toxaphene 62 (Parlar 62) (2,2,5,5,8,9,9,10,10-Nonachlorbornane)  
 trans-Chlordane (gamma-Chlordane)  
 trans-Nonachlor

## 025 - Polychlorinated Biphenyls (PCB) Congeners

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**Field of Accreditation:** Food

**Matrix:** Food [Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat, Vegetables]

**Analytical Method:** GC/HRMS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1105, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1668	Yes	Yes	No

**Parameter**

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'-Hexachlorobiphenyl)  
 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)

**Parameter**

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)  
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',4,5',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)

**Parameter**

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)  
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)

**Parameter**

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)

**026 - Polychlorinated Dioxins and Polychlorinated Furans and Selected PCB Congeners (PCDD/PCDF)****Field of Accreditation:** Food**Matrix:** Food [Cereal, Dairy, Edible Meat Offal, Edible Oil, Egg, Fish, Fresh Fruit, Meat, Vegetables]**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1107, BU-TM-1110, BU-TM-1113, BU-TP-2113

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1613B	Yes	Yes	No
EPA 1668A	Yes	Yes	No
EPA 1668C	Yes	Yes	No

**Parameter**

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

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

1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)

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

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

1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)

1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)

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)

1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)

1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)

2,3,4,6,7,8-Hexachlorodibenzofuran (2,3,4,6,7,8-HxCDF)

2,3,4,7,8-Pentachlorodibenzofuran (2,3,4,7,8-PeCDF)

2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)

2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)

Octachlorodibenzofuran (OCDF, 1,2,3,4,6,7,8,9-Octachlorodibenzofuran)

Octachlorodibenzo-p-dioxin (OCDD, 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin)

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 Heptachlorodibenzofurans (Total HpCDF)

Total Heptachlorodibenzo-p-dioxins (Total HpCDD)

Total Hexachlorodibenzofurans (Total HxCDF)

Total Hexachlorodibenzo-p-dioxins (Total HxCDD)

Total Pentachlorodibenzofurans (Total PeCDF)

Total Pentachlorodibenzo-p-dioxins (Total PeCDD)

Total Tetrachlorodibenzofurans (Total TCDF)

Total Tetrachlorodibenzo-p-dioxins (Total TCDD)

**028 - Metals****Field of Accreditation:** Environmental**Matrix:** Solids [Minerals, Sediment, Soil]**Analytical Method:** ICP/MS**Preparation Method:** DIGESTION**Lab Method ID(s):** BU-TM-1010, NA-TP-2004

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3052	Yes	No	Yes
EPA 6020	Yes	Yes	No

**Parameter**  
Arsenic  
Cadmium  
Lead

## 029 - Mercury

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**Field of Accreditation:** Environmental

**Matrix:** Solids [Sediment, Soil]

**Analytical Method:** COLD VAPOUR ATOMIC ABSORPTION (CVAA)

**Preparation Method:** DIGESTION

**Lab Method ID(s):** BU-TM-1001

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 7471A	Yes	Yes	No

**Parameter**  
Mercury

## 032 - Polychlorinated Biphenyls (PCB)

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**Field of Accreditation:** Environmental

**Matrix:** Tissue

**Analytical Method:** GC/MS

**Preparation Method:** SOXHLET EXTRACTION

**Lab Method ID(s):** BU-TM-1120, BU-TM-1110

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 680	Yes	Yes	Yes

**Parameter**

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'-Hexachlorobiphenyl)  
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)  
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)

**Parameter**

PCB 174 (2,2',3,3',4,5,6'-Heptachlorobiphenyl)  
PCB 177 (2,2',3,3',4,5',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)  
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)

**Parameter**

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)

**033 - Organochlorine (OC) Pesticides**

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**Field of Accreditation:** Environmental**Matrix:** Tissue**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1103, BU-TP-2103

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1699	Yes	Yes	No

**Parameter**

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)

alpha-Chlordane (a-Chlordane)

alpha-Hexachlorocyclohexane (alpha-HCH, a-HCH, a-BHC, alpha-BHC)

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

bornane

cis-Heptachlor Epoxide

cis-Nonachlor

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

Dieldrin

Endosulfan I (Endosulphan I, a-Endosulfan)

Endosulfan II (b-Endosulfan)

Endosulfan sulfate (Endosulphan sulphate)

Endrin

Hexachlorobenzene (HCB)

Lindane (gamma-Hexachlorocyclohexane, g-HCH, g-BHC, gamma-HCH, gamma-BHC)

Methoxychlor

Mirex

Octachlorostyrene

Oxychlordane

Toxaphene 50 (Parlar 50) (2-endo,3-exo,5-endo,6-exo,8,8,9,10,10-Nonachlorbornane)

Toxaphene 62 (Parlar 62) (2,2,5,5,8,9,9,10,10-Nonachlorbornane)

trans-Chlordane (gamma-Chlordane)

trans-Heptachlor epoxide

trans-Nonachlor

**034 - Brominated Diphenyl Ethers (BDE) and Related Fire Retardants**

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**Field of Accreditation:** Food**Matrix:** Food [Butter, Dairy, Fat, Grains, Milled Grain Product, Nut Butter, Vegetable Oil]**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1109

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	No

**Parameter**

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)

**Parameter**

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)

**035 - Moisture****Field of Accreditation:** Environmental**Matrix:** Solids**Analytical Method:** GRAVIMETRIC**Preparation Method:****Lab Method ID(s):** BU-TM-1200**Method Reference**

CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

**Modified From**

Yes

**Analytical Method**

Yes

**Preparation Method**

No

**Parameter**

Percent Moisture

**036 - Polychlorinated Biphenyls (PCB)****Field of Accreditation:** Environmental**Matrix:** Air**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1105**Method Reference**

EPA 1668A

Yes

Yes

No

EPA 1668C

Yes

Yes

No

**Parameter**

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)

**Parameter**

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'-Hexachlorobiphenyl)  
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)  
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',4,5',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)

**Parameter**

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)  
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)

**Parameter**

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)

**037 - Polychlorinated Biphenyls (PCB)**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1105

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1668A	Yes	Yes	No
EPA 1668C	Yes	Yes	No

**Parameter**

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'-Hexachlorobiphenyl)  
 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)

**Parameter**

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)  
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',4,5',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)

**Parameter**

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)  
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)

**Parameter**

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)

**038 - Taste and Odour Compounds****Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** HRGC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1115

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 8270D	Yes	Yes	No

**Parameter**

2,3,6-Trichloroanisole  
 2,4,6-Trichloroanisole  
 2-Isobutyl-3-methoxypyrazine  
 2-Isopropyl-3-methoxypyrazine  
 2-Methylisoborneol (MIB)  
 3,4,5-Trichloroveratrole  
 Geosmin

**039 - Particulates****Field of Accreditation:** Environmental**Matrix:** Air [Particulate]**Analytical Method:** GRAVIMETRIC**Preparation Method:****Lab Method ID(s):** BU-TM-1008

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 5	Yes	Yes	No
EPA IO-3.1	Yes	Yes	No

**Parameter**

Particulate Matter

**040 - Dioxins and Furans (PCDD/PCDF)****Field of Accreditation:** Environmental**Matrix:** SPMD**Analytical Method:** GC/HRMS**Preparation Method:****Lab Method ID(s):** BU-TM-1107 PCDD\_F

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1613B	Yes	Yes	No

**Parameter**

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

**Parameter**

Total Tetrachlorodibenzo-p-dioxins (Total TCDD)

**041 - Polychlorinated Biphenyls (PCB) Congeners**

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**Field of Accreditation:** Environmental**Matrix:** Tissue**Analytical Method:** HRGC/MS**Preparation Method:****Lab Method ID(s):** BU-TM-1105 PCB CONGENERS

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1668	Yes	Yes	Yes

**Parameter**

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'-Hexachlorobiphenyl)  
 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)

**Parameter**

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',4,5',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)  
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)

**Parameter**

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)  
 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)

**042 - Polychlorinated Biphenyls (PCB) Congeners**

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**Field of Accreditation:** Environmental**Matrix:** SPMD**Analytical Method:** HRGC/MS**Preparation Method:** SOXHLET EXTRACTION**Lab Method ID(s):** BU-TM-1105 PCB CONGENERS

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1668	Yes	Yes	Yes

**Parameter**

PCB 1 (2-Chlorobiphenyl)  
 PCB 10 (2,6-Dichlorobiphenyl)

**Parameter**

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'-Hexachlorobiphenyl)  
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)  
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)

**Parameter**

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',4,5',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)  
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)

**Parameter**

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

**043 - Brominated Diphenyl Ethers (BDE)****Field of Accreditation:** Environmental**Matrix:** SPMD**Analytical Method:** HRGC/MS**Preparation Method:** SOXHLET EXTRACTION**Lab Method ID(s):** BU-TM-1109 BDPE

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1614A	Yes	Yes	Yes

**Parameter**

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)

**Parameter**

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)

**044 - Polycyclic Aromatic Hydrocarbons (PAH)**

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**Field of Accreditation:** Environmental**Matrix:** SPMD**Analytical Method:** HRGC/MS**Preparation Method:** SOXHLET EXTRACTION**Lab Method ID(s):** BU-TM-1100 ANALYSIS OF PAH

Method Reference	Modified From	Analytical Method	Preparation Method
CARB 429	Yes	Yes	No
EPA 3540C	Yes	No	Yes

**Parameter**

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

**045 - Organochlorine (OC) Pesticides**

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**Field of Accreditation:** Environmental**Matrix:** SPMD**Analytical Method:** HRGC/MS**Preparation Method:** SOXHLET EXTRACTION**Lab Method ID(s):** BU-TM-1103 OC PESTICIDES

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1699	Yes	Yes	Yes

**Parameter**

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)

**Parameter**  
 4,4'-DDT (p,p'-DDT)  
 alpha-Chlordane (a-Chlordane)  
 alpha-Hexachlorocyclohexane (alpha-HCH, a-HCH, a-BHC, alpha-BHC)  
 beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-HCH, beta-BHC)  
 bornane  
 cis-Heptachlor Epoxide  
 cis-Nonachlor  
 delta-Hexachlorocyclohexane (d-HCH, d-BHC, delta-HCH, delta-BHC)  
 Dieldrin  
 Endosulfan I (Endosulphan I, a-Endosulfan)  
 Endosulfan II (b-Endosulfan)  
 Endosulfan sulfate (Endosulphan sulphate)  
 Endrin  
 Hexachlorobenzene (HCB)  
 Lindane (gamma-Hexachlorocyclohexane, g-HCH, g-BHC, gamma-HCH, gamma-BHC)  
 Methoxychlor  
 Mirex  
 Octachlorostyrene  
 Oxychlordane  
 Toxaphene 50 (Parlar 50) (2-endo,3-exo,5-endo,6-exo,8,8,9,10,10-Nonachlorbornane)  
 Toxaphene 62 (Parlar 62) (2,2,5,5,8,9,9,10,10-Nonachlorbornane)  
 trans-Chlordane (gamma-Chlordane)  
 trans-Heptachlor epoxide  
 trans-Nonachlor

## 046 - Metals

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**Field of Accreditation:** Food

**Matrix:** Biological Oil

**Analytical Method:** ICP/MS

**Preparation Method:** MICROWAVE DIGESTION

**Lab Method ID(s):** BU-TM-1010, BU-TP-2010

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3052	No	No	Yes
EPA 6020B	Yes	Yes	No

**Parameter**

Arsenic  
 Cadmium  
 Lead

## 047 - Mercury

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**Field of Accreditation:** Food

**Matrix:** Biological Oil

**Analytical Method:** COLD VAPOUR ATOMIC ABSORPTION (CVAA)

**Preparation Method:** MICROWAVE DIGESTION

**Lab Method ID(s):** BU-TM-1001, BU-TP-2010

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3052	No	No	Yes
EPA 7470	Yes	Yes	No

**Parameter**

Mercury

## 048 - Polychlorinated Dioxins and Polychlorinated Furans and Selected PCB Congeners (PCDD/PCDF)

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**Field of Accreditation:** Food

**Matrix:** Food

**Analytical Method:** GC/MS/MS

**Preparation Method:**

**Lab Method ID(s):**

Method Reference	Modified From	Analytical Method	Preparation Method
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**Parameter**

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

**Parameter**

PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)  
 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 138 (2,2',3,4,4',5'-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 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 28 (2,4,4'-Trichlorobiphenyl)  
 PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)  
 PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)  
 PCB 81 (3,4,4',5-Tetrachlorobiphenyl)  
 Total Heptachlorodibenzofurans (Total HpCDF)  
 Total Heptachlorodibenzo-p-dioxins (Total HpCDD)  
 Total Hexachlorodibenzofurans (Total HxCDF)  
 Total Hexachlorodibenzo-p-dioxins (Total HxCDD)  
 Total Pentachlorodibenzofurans (Total PeCDF)  
 Total Pentachlorodibenzo-p-dioxins (Total PeCDD)  
 Total Tetrachlorodibenzofurans (Total TCDF)  
 Total Tetrachlorodibenzo-p-dioxins (Total TCDD)

**049 - Polychlorinated Biphenyls (PCB) Congeners****Field of Accreditation:** Environmental**Matrix:** Solids**Analytical Method:** GC/MS**Preparation Method:** MICROWAVE EXTRACTION**Lab Method ID(s):** BU-TP-2126, BU-TM-1127

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3546	Yes	No	Yes
EPA 1668C	Yes	Yes	No

**Parameter**

PCB 1 (2-Chlorobiphenyl)  
 PCB 105/127 (2,3,3',4,4'-Pentachlorobiphenyl + 3,3',4,5,5'-Pentachlorobiphenyl)  
 PCB 106/118 (2,3,3',4,5-Pentachlorobiphenyl + 2,3',4,4',5-Pentachlorobiphenyl)  
 PCB 107/109 (2,3,3',4',5-Pentachlorobiphenyl + 2,3,3',4,6-Pentachlorobiphenyl)  
 PCB 11 (3,3'-Dichlorobiphenyl)  
 PCB 110 (2,3,3',4',6-Pentachlorobiphenyl)  
 PCB 114 (2,3,4,4',5-Pentachlorobiphenyl)  
 PCB 12/13 (3,4-Dichlorobiphenyl + 3,4'-Dichlorobiphenyl)  
 PCB 123 (2,3',4,4',5'-Pentachlorobiphenyl)  
 PCB 126 (3,3',4,4',5-Pentachlorobiphenyl)  
 PCB 128/167 (2,2',3,3',4,4'-Hexachlorobiphenyl + 2,3',4,4',5,5'-Hexachlorobiphenyl)  
 PCB 129 (2,2',3,3',4,5-Hexachlorobiphenyl)  
 PCB 135/144 (2,2',3,3',5,6'-Hexachlorobiphenyl + 2,2',3,4,5',6-Hexachlorobiphenyl)  
 PCB 136 (2,2',3,3',6,6'-Hexachlorobiphenyl)  
 PCB 137 (2,2',3,4,4',5-Hexachlorobiphenyl)  
 PCB 138/163/164 (2,2',3,4,4',5'-Hexachlorobiphenyl + 2,3,3',4',5,6-Hexachlorobiphenyl + 2,3,3',4',5',6-Hexachlorobiphenyl)  
 PCB 139/149 (2,2',3,4,4',6-Hexachlorobiphenyl + 2,2',3,4',5',6-Hexachlorobiphenyl)  
 PCB 141 (2,2',3,4,5,5'-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 158/160 (2,3,3',4,4',6-Hexachlorobiphenyl + 2,3,3',4,5,6-Hexachlorobiphenyl)  
 PCB 159 (2,3,3',4,5,5'-Hexachlorobiphenyl)  
 PCB 16/32 (2,2',3-Trichlorobiphenyl + 2,4',6-Trichlorobiphenyl)  
 PCB 169 (3,3',4,4',5,5'-Hexachlorobiphenyl)  
 PCB 17 (2,2',4-Trichlorobiphenyl)  
 PCB 170/190 (2,2',3,3',4,4',5-Heptachlorobiphenyl + 2,3,3',4,4',5,6-Heptachlorobiphenyl)  
 PCB 171 (2,2',3,3',4,4',6-Heptachlorobiphenyl)  
 PCB 172/192 (2,2',3,3',4,5,5'-Heptachlorobiphenyl + 2,3,3',4,5,5',6-Heptachlorobiphenyl)  
 PCB 174/181 (2,2',3,3',4,5,6'-Heptachlorobiphenyl + 2,2',3,4,4',5,6-Heptachlorobiphenyl)  
 PCB 177 (2,2',3,3',4,5',6'-Heptachlorobiphenyl)  
 PCB 18 (2,2',5-Trichlorobiphenyl)  
 PCB 180 (2,2',3,4,4',5,5'-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',6-Heptachlorobiphenyl)  
 PCB 185 (2,2',3,4,5,5',6-Heptachlorobiphenyl)  
 PCB 189 (2,3,3',4,4',5,5'-Heptachlorobiphenyl)

**Parameter**

PCB 19 (2,2',6-Trichlorobiphenyl)  
 PCB 191 (2,3,3',4,4',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 196/203 (2,2',3,3',4,4',5,6'-Octachlorobiphenyl + 2,2',3,4,4',5,5',6-Octachlorobiphenyl)  
 PCB 199 (2,2',3,3',4,5,5',6'-Octachlorobiphenyl)  
 PCB 20/21/33 (2,3,3'-Trichlorobiphenyl + 2,3,4-Trichlorobiphenyl + 2,3',4'-Trichlorobiphenyl)  
 PCB 202 (2,2',3,3',5,5',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 22 (2,3,4'-Trichlorobiphenyl)  
 PCB 24/27 (2,3,6-Trichlorobiphenyl + 2,3',6-Trichlorobiphenyl)  
 PCB 25 (2,3',4-Trichlorobiphenyl)  
 PCB 26 (2,3',5-Trichlorobiphenyl)  
 PCB 28/31 (2,4,4'-Trichlorobiphenyl + 2,4',5-Trichlorobiphenyl)  
 PCB 3 (4-Chlorobiphenyl)  
 PCB 37 (3,4,4'-Trichlorobiphenyl)  
 PCB 4/10 (2,2'-Dichlorobiphenyl + 2,6-Dichlorobiphenyl)  
 PCB 40 (2,2',3,3'-Tetrachlorobiphenyl)  
 PCB 41/64/68/71 (2,2',3,4-Tetrachlorobiphenyl + 2,3,4',6-Tetrachlorobiphenyl + 2,3',4,5'-Tetrachlorobiphenyl + 2,3',4',6-Tetrachlorobiphenyl)  
 PCB 42/59 (2,2',3,4'-Tetrachlorobiphenyl + 2,3,3',6-Tetrachlorobiphenyl)  
 PCB 43/49 (2,2',3,5-Tetrachlorobiphenyl + 2,2',4,5'-Tetrachlorobiphenyl)  
 PCB 44 (2,2',3,5'-Tetrachlorobiphenyl)  
 PCB 45 (2,2',3,6-Tetrachlorobiphenyl)  
 PCB 46 (2,2',3,6'-Tetrachlorobiphenyl)  
 PCB 47/48/75 (2,2',4,4'-Tetrachlorobiphenyl + 2,2',4,5-Tetrachlorobiphenyl + 2,4,4',6-Tetrachlorobiphenyl)  
 PCB 5/8 (2,3-Dichlorobiphenyl + 2,4'-Dichlorobiphenyl)  
 PCB 52/73 (2,2',5,5'-Tetrachlorobiphenyl + 2,3',5',6-Tetrachlorobiphenyl)  
 PCB 53 (2,2',5,6'-Tetrachlorobiphenyl)  
 PCB 56/60 (2,3,3',4'-Tetrachlorobiphenyl + 2,3,4,4'-Tetrachlorobiphenyl)  
 PCB 57 (2,3,3',5-Tetrachlorobiphenyl)  
 PCB 6 (2,3'-Dichlorobiphenyl)  
 PCB 61/74 (2,3,4,5-Tetrachlorobiphenyl + 2,4,4',5-Tetrachlorobiphenyl)  
 PCB 63 (2,3,4',5-Tetrachlorobiphenyl)  
 PCB 66/80 (2,3',4,4'-Tetrachlorobiphenyl + 3,3',5,5'-Tetrachlorobiphenyl)  
 PCB 70/76 (2,3',4',5-Tetrachlorobiphenyl + 2,3',4',5'-Tetrachlorobiphenyl)  
 PCB 77 (3,3',4,4'-Tetrachlorobiphenyl)  
 PCB 81 (3,4,4',5-Tetrachlorobiphenyl)  
 PCB 82 (2,2',3,3',4-Pentachlorobiphenyl)  
 PCB 83/108 (2,2',3,3',5-Pentachlorobiphenyl + 2,3,3',4,5'-Pentachlorobiphenyl)  
 PCB 85/120 (2,2',3,4,4'-Pentachlorobiphenyl + 2,3',4,5,5'-Pentachlorobiphenyl)  
 PCB 91 (2,2',3,4',6-Pentachlorobiphenyl)  
 PCB 92 (2,2',3,5,5'-Pentachlorobiphenyl)  
 PCB 93/95 (2,2',3,5,6-Pentachlorobiphenyl + 2,2',3,5',6-Pentachlorobiphenyl)  
 PCB 97 (2,2',3,4',5'-Pentachlorobiphenyl)  
 PCB 99 (2,2',4,4',5-Pentachlorobiphenyl)  
 Total PCBs (Total Polychlorinated Biphenyls)

**050 - Metals****Field of Accreditation:** Environmental**Matrix:** Tissue**Analytical Method:** ICP/MS**Preparation Method:** MICROWAVE DIGESTION**Lab Method ID(s):** BU-TM-1010, BU-TP-2006

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 6020	Yes	Yes	No
EPA 3052	No	No	Yes

**Parameter**

Aluminum  
 Antimony  
 Arsenic  
 Barium  
 Beryllium  
 Bismuth  
 Boron  
 Cadmium  
 Calcium  
 Chromium  
 Cobalt  
 Copper  
 Iron  
 Lead  
 Magnesium

**Parameter**  
 Manganese  
 Molybdenum  
 Nickel  
 Phosphorus  
 Potassium  
 Selenium  
 Silver  
 Sodium  
 Strontium  
 Thallium  
 Tin  
 Uranium  
 Vanadium  
 Zinc

## 051 - Metals

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**Field of Accreditation:** Environmental

**Matrix:** Food [Animal Tissue, Beverage, Butter, Cheese, Dairy, Dairy Products (Except Unpasteurized Milk for Payment Purposes), Edible Oil, Egg Product, Fish, Plant, Root, Tea]

**Analytical Method:** ICP/MS

**Preparation Method:** MICROWAVE DIGESTION

**Lab Method ID(s):** BU-TM-1010, BU-TP-2006

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 6020	Yes	Yes	No
EPA 3052	No	No	Yes

**Parameter**

Aluminum  
 Antimony  
 Arsenic  
 Barium  
 Beryllium  
 Bismuth  
 Boron  
 Cadmium  
 Calcium  
 Chromium  
 Cobalt  
 Copper  
 Iron  
 Lead  
 Magnesium  
 Manganese  
 Molybdenum  
 Nickel  
 Phosphorus  
 Potassium  
 Selenium  
 Silver  
 Sodium  
 Strontium  
 Thallium  
 Tin  
 Uranium  
 Vanadium  
 Zinc

## 052 - Acrylamide

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**Field of Accreditation:** Food

**Matrix:** Food [Bread, Cereal, Coffee, Confectionery, Fruit, Nut Butter, Nuts, Processed Food, Raw and Raw Processed Vegetable-Based Products]

**Analytical Method:** UHPLC/MS/MS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1302

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

**Parameter**

Acrylamide

## 053 - 4-Methylimidazole

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**Field of Accreditation:** Food

**Matrix:** Food [Beer, Beverage, Bread, Cola, Sauce, Tea, Vinegar, Water]

**Analytical Method:** UHPLC/MS/MS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1303

Method Reference	Modified From	Analytical Method	Preparation Method
J. FOOD COMP. & ANALYSIS 110 (2022) 104529	Yes	Yes	Yes

**Parameter**  
4-Methylimidazole

## 054 - Chlorinated Paraffins (Chloroparaffins, CP)

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**Field of Accreditation:** Food

**Matrix:** Food [Animal Tissue, Meat, Vegetable Oil]

**Analytical Method:** UHPLC/MS/MS

**Preparation Method:**

**Lab Method ID(s):** BU-TM-1301

<b>Method Reference</b>	<b>Modified From</b>	<b>Analytical Method</b>	<b>Preparation Method</b>
CHEMOSPHERE 244 (2020) 125531	Yes	Yes	Yes

**Parameter**

Long Chain Chloroparaffins

Medium Chain Chloroparaffins

Short Chain Chloroparaffins

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at [http://www.cala.ca/cala\\_directories.html](http://www.cala.ca/cala_directories.html)

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