

Scope of Accreditation

Laboratory Name: PPB Analytical Inc.	Client ID: 1005020
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Standard: Conforms with requirements of ISO/IEC 17025:2017	Clients Served: All Interested Parties
Revised On: 12/21/2022	Valid To: 06/23/2025

001 - Petroleum Hydrocarbons (PHC)

Field of Accreditation: Environmental		Matrix: Solids [Soil]	
Analytical Method: GC/FID-PURGE AND TRAP		Preparation Method:	
Lab Method ID(s): TM-EN-003			
Method Reference	Modified From	Analytical Method	Preparation Method
CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD	No	Yes	Yes
EPA 5030C	Yes	No	Yes
EPA 5035A	Yes	No	Yes
EPA 8015D	Yes	Yes	No
Parameter			
F1: C6-C10			

002 - Petroleum Hydrocarbons (PHC)

Field of Accreditation: Environmental		Matrix: Solids [Soil]	
Analytical Method: GC/FID		Preparation Method:	
Lab Method ID(s): TM-EN-003			
Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3550C	Yes	No	Yes
EPA 3630C	Yes	No	Yes
CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD	No	Yes	Yes
EPA 3500C	Yes	No	Yes
EPA 8015D	Yes	Yes	No
Parameter			
F2: C10-C16			
F3: C16-C34			
F4: C34-C50			

003 - Polycyclic Aromatic Hydrocarbons (PAH)

Field of Accreditation: Environmental		Matrix: Solids [Soil]	
Analytical Method: GC/MS		Preparation Method:	
Lab Method ID(s): TM-EN-001			
Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3630C	Yes	No	Yes
EPA 3500C	Yes	No	Yes
EPA 3550C	Yes	No	Yes
EPA 8270D	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			

Parameter
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene

004 - Polychlorinated Biphenyls (PCB)

Field of Accreditation: Environmental
Matrix: Solids [Soil]
Analytical Method: GC/MS
Preparation Method:
Lab Method ID(s): TM-EN-002

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3550C	Yes	No	Yes
EPA 8270D	Yes	Yes	No
EPA 3500C	Yes	No	Yes
EPA 3630C	Yes	No	Yes

Parameter
Total PCBs (Total Polychlorinated Biphenyls)

005 - Volatile Organic Compounds (VOC)

Field of Accreditation: Environmental
Matrix: Solids [Soil]
Analytical Method: GC/MS-PURGE AND TRAP
Preparation Method:
Lab Method ID(s): TM-EN-004

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 5030C	Yes	No	Yes
EPA 8260C	Yes	Yes	No
EPA 5035A	Yes	No	Yes

Parameter
1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene (1,1-Dichloroethylene)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone, MEK)
Acetone (2-Propanone)
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon tetrachloride
Chlorobenzene
Chloroethene (Vinyl chloride)
Chloroform
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromochloromethane
Dichlorodifluoromethane (CFC-12, Freon 12)
Dichloromethane (Methylene Chloride)
Ethylbenzene
Hexane (n-Hexane)
m,p-Xylene
Methyl isobutyl ketone (MIBK)
Methyl tert-butyl ether (MTBE)
o-Xylene
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11, Freon 11)

006 - Metals

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: ICP/MS

Preparation Method: ACID DIGESTION

Lab Method ID(s): TM-EN-005

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 6020A	No	Yes	No
ON MECP E3470	Yes	No	Yes

- Parameter**
- Antimony
 - Arsenic
 - Barium
 - Beryllium
 - Boron
 - Cadmium
 - Chromium
 - Cobalt
 - Copper
 - Lead
 - Molybdenum
 - Nickel
 - Selenium
 - Silver
 - Thallium
 - Uranium
 - Vanadium
 - Zinc

007 - Polycyclic Aromatic Hydrocarbons (PAH)

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: GC/MS

Preparation Method:

Lab Method ID(s): TM-EN-001

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3500C	Yes	No	Yes
EPA 3510C	Yes	No	Yes
EPA 8270D	Yes	Yes	No
EPA 3630C	Yes	No	Yes

- 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
 - Phenanthrene
 - Pyrene

008 - Petroleum Hydrocarbons (PHC)

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: GC/FID-PURGE AND TRAP

Preparation Method:

Lab Method ID(s): TM-EN-003

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 8015D	Yes	Yes	No
EPA 5030C	Yes	No	Yes
CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD	No	Yes	No

- Parameter**
- F1: C6-C10

009 - Polychlorinated Biphenyls (PCB)

Field of Accreditation: Environmental		Matrix: Water	
Analytical Method: GC/MS		Preparation Method:	
Lab Method ID(s): TM-EN-002			
Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3510C	Yes	No	Yes
EPA 8270D	Yes	Yes	No
EPA 3500C	Yes	No	Yes
EPA 3630C	Yes	No	Yes
Parameter			
Total PCBs (Total Polychlorinated Biphenyls)			

010 - Petroleum Hydrocarbons (PHC)

Field of Accreditation: Environmental		Matrix: Solids [Soil]	
Analytical Method: GRAVIMETRIC		Preparation Method:	
Lab Method ID(s): TM-EN-003			
Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3500C	Yes	No	Yes
EPA 3550C	Yes	No	Yes
EPA 3630C	Yes	No	Yes
CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD	No	Yes	Yes
Parameter			
F4G: Gravimetric Heavy Hydrocarbons			

011 - Petroleum Hydrocarbons (PHC)

Field of Accreditation: Environmental		Matrix: Water	
Analytical Method: GC/FID		Preparation Method: EXTRACTION	
Lab Method ID(s): TM-EN-003			
Method Reference	Modified From	Analytical Method	Preparation Method
CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD	No	Yes	No
EPA 3500C	Yes	No	Yes
EPA 3510C	Yes	No	Yes
EPA 3630C	Yes	No	Yes
EPA 8015D	Yes	Yes	No
Parameter			
F2: C10-C16			
F3: C16-C34			
F4: C34-C50			

012 - Volatile Organic Compounds (VOC)

Field of Accreditation: Environmental		Matrix: Water	
Analytical Method: GC/MS-PURGE AND TRAP		Preparation Method:	
Lab Method ID(s): TM-EN-004			
Method Reference	Modified From	Analytical Method	Preparation Method
EPA 5030C	Yes	No	Yes
EPA 8260C	Yes	Yes	No
Parameter			
1,1,1,2-Tetrachloroethane			
1,1,1-Trichloroethane			
1,1,2,2-Tetrachloroethane			
1,1,2-Trichloroethane			
1,1-Dichloroethane			
1,1-Dichloroethene (1,1-Dichloroethylene)			
1,2-Dibromoethane (Ethylene dibromide)			
1,2-Dichlorobenzene			
1,2-Dichloroethane			
1,2-Dichloropropane			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
2-Butanone (Methyl ethyl ketone, MEK)			
Acetone (2-Propanone)			
Benzene			
Bromodichloromethane			
Bromoform			
Bromomethane			
Carbon tetrachloride			

Parameter
Chlorobenzene
Chloroethene (Vinyl chloride)
Chloroform
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromochloromethane
Dichlorodifluoromethane (CFC-12, Freon 12)
Dichloromethane (Methylene Chloride)
Ethylbenzene
Hexane (n-Hexane)
m,p-Xylene
Methyl isobutyl ketone (MIBK)
Methyl tert-butyl ether (MTBE)
o-Xylene
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11, Freon 11)

013 - Metals

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: ICP/MS

Preparation Method: ACID DIGESTION

Lab Method ID(s): TM-EN-005

Method Reference	Modified From	Analytical Method	Preparation Method
SM 3120 B	Yes	No	Yes
EPA 6020A	No	Yes	No

Parameter
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Lead
Molybdenum
Nickel
Selenium
Silver
Thallium
Uranium
Vanadium
Zinc

† “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