CALA Directory of Laboratories

Canadian Association for Laboratory Accreditation Inc.

Membership Number: 3788
Laboratory Name: AGAT Laboratories - Burnaby
Parent Institution: AGAT Laboratories Ltd.
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: March 9, 2017
Valid To: August 25, 2019

Scope of Accreditation

Air (Organic)
Volatile Organic Compounds (VOC) - Soil Vapour (001)
ORG-180-5170; modified from EPA TO-17 and BC MOE LAB MANUAL SECTION H
GC/MS - THERMAL DESORPTION

- 1-chlorobutane
- 1-Chlorohexane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,1-Dichloropropene
- 1,1,1-Trichloroethane
- 1,1,1,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2:3,4-Diepoxybutane
- 1,3-Butadiene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,3,5-Trimethylbenzene

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1,4-Dichlorobenzene
2-Butanone (MEK)
2-Chlorotoluene
2,2-Dichloropropane
4-Chlorotoluene
4-Methyl-2-pentanone (MIBK)
Acetone
Acetonitrile
Acrylonitrile
Allyl Chloride
Benzene
Benzylchloride
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
cis-1,4-Dichloro-2-butene
Dibromochloromethane
Dibromofluoromethane
Dibromomethane
Dichlorodifluoromethane
Dichloromethane
Diethyl Ether
Epichlorohydrin
Ethyl Acetate
Ethyl Methacrylate
Ethylbenzene
Hexachlorobutadiene
Hexachloroethane
Isobutanol
Isopropylbenzene
m/p-Xylene
Methacrylonitrile
Methyl Acrylate
Methyl Cyclohexane
Methyl Methacrylate
Methyl tert-butyl ether (MTBE)
n-Butylbenzene
n-decane
n-Hexane
n-Propylbenzene
Naphthalene
Nitrobenzene
o-Xylene

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p-Isopropyltoluene
Pentachloroethane
Pentafluorobenzene
Propionitrile
Pyridine
sec-Butylbenzene
Styrene
tert-Butylbenzene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Trichloroethene
Trichlorofluoromethane
VH (C6-C13)
Vinyl Chloride

Paint (Inorganic)
Lead - Paint (072)
LAB-181-4020, MET-181-6101; modified from NIOSH 7105 and EPA 6010
ICP/OES - DIGESTION
Lead

Solids (Inorganic)
Acid Base Accounting - Soil, Sediment, Sludge, Rock, Tailings, Waste Rock and Ore (078)
ARD-181-18003; SOBEK ET AL. REPORT EPA-600/2-78-054 (1978)
pH METER
Paste pH

Solids (Inorganic)
Acid Base Accounting - Soil, Sediment, Sludge, Rock, Tailings, Waste Rock and Ore (079)
ARD-181-18009, INOR-181-6028; modified from MEND REPORT 1.20.1 (2009) and SM 4500-SO4 E
SPECTROPHOTOMETRIC - DIGESTION
Sulphate-Sulphur

Solids (Inorganic)
Boron (Hot Water Soluble) - Soil (048)
LAB-181-4011, MET-181-6101; BC MOE LAB MANUAL SECTION C (BORON, HOT WATER SOLUBLE) and EPA 6010C
ICP - HOT WATER EXTRACTION
Boron

Solids (Inorganic)
Carbon-Nitrogen-Sulphur Speciation - Soil, Sediment, Sludge, Rock, Tailings, Waste Rock and Ore (080)
INOR-181-6027; modified from ASTM E1915-11 and E1019-11
COMBUSTION - TC
Total Carbon
Total Nitrogen
Total Sulphur

Solids (Inorganic)
Chloride - Saturated Paste (098)
LAB-181-4022, INOR-181-6023; BC MOE LAB MANUAL SECTION B
COLORIMETRIC
Chloride

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Solids (Inorganic)
Conductivity - Saturated Paste (095)
LAB-181-4022; BC MOE LAB MANUAL SECTION B
CONDUCTIVITY METER
Conductivity

Solids (Inorganic)
Cyanide - Soil (058)
LAB-181-4013, INOR-181-6010; modified from EPA 9013A and EPA 335.3
FLOW CHEMISTRY
Cyanide (SAD)
Cyanide (WAD)

Solids (Inorganic)
Fluoride - Soil (060)
INOR-181-6002, LAB-181-4014; BC MOE LAB MANUAL SECTION B (FLUORIDE IN SOILS BY 5:1 AQUEOUS EXTRACTION) and SM 4110
ION CHROMATOGRAPHY - 5:1 AQUEOUS EXTRACTION
Fluoride

Solids (Inorganic)
Hexavalent Chromium - Soil (049)
INOR-181-6029, LAB-181-4016; EPA 3060A and modified from SM 3500-CR B
COLORIMETRIC - EXTRACTION
Hexavalent Chromium

Solids (Inorganic)
Metals - Saturated Paste (097)
LAB-181-4022, INOR-181-6101; BC MOE LAB MANUAL SECTION B
ICP/OES
Calcium
Magnesium
Potassium
Sodium
Sulphur

Solids (Inorganic)
Metals - Soil (005)
LAB-181-4008, MET-181-6102; BC MOE LAB MANUAL SECTION C (SALM) and EPA 200.2 and EPA 6020A
ICP/MS - DIGESTION
Antimony
Arsenic
Barium
Beryllium
Bismuth
Cadmium
Chromium
Cobalt
Copper
Lead
Lithium
Mercury
Molybdenum
Nickel
Selenium
Silver
Thallium
Tin

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Tungsten
Uranium
Vanadium
Zinc
Zirconium

Solids (Inorganic)
Metals - Soil (008)
LAB-181-4008, MET-181-6101; BC MOE LAB MANUAL SECTION C (SALM) and EPA 200.2 and EPA 6010C
ICP/OES - DIGESTION
Aluminum
Barium
Calcium
Chromium
Copper
Iron
Magnesium
Manganese
Nickel
Potassium
Sodium
Strontium
Titanium
Vanadium
Zinc

Solids (Inorganic)
Metals (TCLP Leachate) - Solids (007)
LAB-181-4001, MET-181-6102; EPA 1311 (LEACH) and modified from EPA 6020A (ANALYSIS)
ICP/MS - TCLP
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Uranium
Vanadium
Zinc
Zirconium

Solids (Inorganic)
Modified Acid Base Accounting - Soil, Sediment, Sludge, Rock, Tailings, Waste Rock and Ore (077)
ARD-181-18000; MEND PROJECT 1.16.1A (1989)
TITRATION
Neutralization Potential (NP)

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Solids (Inorganic)
Moisture Content - Soil (009)
INOR-181-6030; ASTM D2974-07A
GRAVIMETRIC
Moisture %

Solids (Inorganic)
Oil and Grease - Soil (056)
ORG-180-5104; modified from BC MOE LAB MANUAL SECTION D (OIL and GREASE IN SOLIDS BY HEXANE EXTRACTION)
GRAVIMETRIC - EXTRACTION
Mineral Oil and Grease
Total Oil and Grease

Solids (Inorganic)
pH - Saturated Paste (094)
LAB-181-4022; BC MOE LAB MANUAL SECTION B
pH METER
pH

Solids (Inorganic)
pH - Soil (011)
INOR-181-6031; BC MOE LAB MANUAL SECTION B (PH, ELECTROMETRIC, SOIL and SEDIMENT-PRESCRIPTIVE)
METER - EXTRACTION
pH 1:2

Solids (Inorganic)
Phenols - Soil (050)
LAB-181-4013, INOR-181-6014; modified from EPA 9013A and EPA 420.2
AUTO COLOR
Total Phenolics

Solids (Inorganic)
Saturation - Soil (096)
LAB-181-4022; BC MOE LAB MANUAL SECTION B
GRAVIMETRIC
% Saturation

Solids (Inorganic)
Total Kjeldahl Nitrogen (TKN) - Soil (068)
INOR-181-6034, LAB-181-4017; modified from EPA 351.2
AUTO COLOR
Total Kjeldahl Nitrogen

Solids (Inorganic)
Waste Oil - Solids (016)
ORG-180-5120; BC MOE LAB MANUAL SECTION D (WASTE OIL CONTENT IN SOLIDS)
GRAVIMETRIC - EXTRACTION
Waste Oil Content

Solids (Microbiology)
Fecal Coliforms - Solids (070)
MIC-181-7007; SM 9221 E
MULTIPLE TUBE FERMENTATION (MPN)
Fecal Coliforms

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Solids (Microbiology)
Salmonella - Solids (069)
MIC-181-7008; SM 9260 B
MULTIPLE TUBE TECHNIQUE (MPN)
Salmonella

Solids (Organic)
BTEX/VPH/VH - Soil (012)
ORG-180-5100; modified from BC MOE LAB MANUAL SECTION D(BTEX, VPH)
GC/MS/FID - HEADSPACE
Benzene
Ethylbenzene
m/p-xylene
Methyl t-butyl ether
o-xylene
Styrene
Toluene
VH (C6-C10)

Solids (Organic)
Extractable Petroleum Hydrocarbons (EPH) - Soil (013)
ORG-180-5101; modified from BC MOE LAB MANUAL D (EPH)
GC/FID - COLD SHAKE EXTRACTION
EPH C10-C19
EPH C19-C32

Solids (Organic)
Glycols - Soil (085)
ORG-180-5136; modified from NON HALOGENATED ORGANICS USING GC/FID, EPA SW-846 MODULE, METHOD 8015D
GC/FID
Diethylene Glycol
Ethylene Glycol
Propylene Glycol
Tetraethylene Glycol
Triethylene Glycol

Solids (Organic)
Leachable PAH - Soil (089)
LAB-181-4001; EPA 1311 (LEACH)
GC/MS
1 methyl naphthalene
2-methyl naphthalene
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

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Perylene
Phenanthrene
Pyrene

Solids (Organic)
Petroleum Hydrocarbons (PHC) - Soil (091)
ORG-180-5137; CCME CWS-PHC-TIER 1 METHOD
GC/FID
F2: C10-C16
F3: C16-C34
F4: C34-C50

Solids (Organic)
Petroleum Hydrocarbons (PHC) - Soil (090)
ORG-180-5100; CCME CWS-PHC TIER 1 METHOD
GC/MS/FID
F1: C6-C10

Solids (Organic)
Polycyclic Aromatic Hydrocarbons (PAH) - Soil (014)
ORG-180-5102; modified from BC MOE LAB MANUAL SECTION D (PAH)
GC/MS - COLD SHAKE EXTRACTION
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Acridine
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
Quinoline

Solids (Organic)
VOC- Soil (088)
LAB-180-5135; EPA 1311 (LEACH)
GC/MS - HEADSPACE
1,1-Dichloroethane
1,1-dichloroethylene
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene

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1,4-Dichlorobenzene
Benzene
Bromodichloromethane
Bromoform
Carbon Disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromochloromethane
Dichloromethane
Ethylbenzene
Ethylene Dibromide
m&p-xylene
Methyl tert-butyl
o-xylene
Styrene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl Chloride

Solids (Organic)

Volatile Organic Compounds (VOC) - Soil (015)
ORG-180-5103; modified from BC MOE LAB MANUAL SECTION D (VOC)
GC/MS - PURGE AND TRAP
1,1-Dichloroethane
1,1-dichloroethylene
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
1,4-dichlorobenzene
Acetone (2-Propanone)
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane

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cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Dichloromethane
Ethylbenzene
Ethylene Dibromide
m/p-xylene
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl t-butyl ether
n-Hexane
o-xylene
Styrene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
VHs C6-C10
Vinyl Chloride

Tissue (Inorganic)
Metals - Tissue (017)
LAB-181-4007, MET-181-6101; modified from EPA 3050B and EPA 6010C
ICP/OES - DIGESTION
Calcium
Magnesium
Phosphorus
Potassium
Sodium

Tissue (Inorganic)
Metals - Tissue (062)
LAB-181-4007, MET-181-6102; BC MOE Lab Manual, section C and modified from EPA 6020A
ICP/MS - DIGESTION
Aluminum
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Manganese
Molybdenum
Nickel
Selenium
Silver
Thallium
Vanadium

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Zinc

Tissue (Inorganic)
Total Mercury - Tissue (018)
LAB-181-4007, MET-181-6100; modified from EPA 3050B and EPA 7471B
COLD VAPOUR AA - DIGESTION
Mercury

Water (Inorganic)
Acidity - Water (071)
INOR-181-6020; modified from SM 2310 B
TITRIMETRIC
Acidity

Water (Inorganic)
Acidity - Water (084)
INOR-181-6000; modified from SM 2310 B
AUTO TITRIMETRIC
Acidity

Water (Inorganic)
Alkalinity - Water (019)
INOR-181-6000; modified from SM 2320 B
AUTO TITRIMETRIC
Alkalinity (pH 4.5)

Water (Inorganic)
Ammonia - Water (020)
INOR-181-6001; modified from SM 4500-NH3 G
SEGMENTED FLOW
Ammonia

Water (Inorganic)
Anions - Water (021)
INOR-181-6002; modified from SM 4110 B
ION CHROMATOGRAPHY
Bromate
Bromide
Chloride
Fluoride
Nitrate
Nitrite
Sulfate

Water (Inorganic)
Biochemical Oxygen Demand (BOD) - Water (041)
INOR-181-6032; modified from BC MOE Lab Manual, Section D
D.O. METER
BOD (5 day)
CBOD (5 day)

Water (Inorganic)
Carbon - Water (022)
INOR-181-6003; modified from SM 5310 B
COMBUSTION - IR
Organic Carbon
Total Carbon

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Water (Inorganic)
Chemical Oxygen Demand (COD) - Water (023)
INOR-181-6004; modified from SM 5220 D
SPECTROPHOTOMETRIC
COD

Water (Inorganic)
Chlorophyll a - Water (100)
INOR-181-6025; SM 10200 H
SPECTROPHOTOMETRIC
Chlorophyll a

Water (Inorganic)
Colour - Water (063)
INOR-181-6033; modified from BC MOE LAB MANUAL SECTION B (COLOUR, SINGLE WAVELENGTH)
SPECTROPHOTOMETRIC (UV-VIS)
Apparent Colour
True Colour

Water (Inorganic)
Conductivity - Water (024)
INOR-181-6000; modified from SM 2510 B
CONDUCTIVITY METER
Conductivity (25˚C)

Water (Inorganic)
Conductivity - Water (082)
ARD-181-18012; SM 2510 B
CONDUCTIVITY METER
Conductivity (25˚C)

Water (Inorganic)
Cyanide - Water (025)
INOR-181-6010; modified from EPA 335.3
FLOW CHEMISTRY
Cyanide (SAD)
Cyanide (WAD)

Water (Inorganic)
Dissolved Mercury - Water (027)
LAB-181-4015, MET-181-6100; modified from EPA 245.7
COLD VAPOUR AA
Mercury

Water (Inorganic)
Dissolved Metals - Water (028)
LAB-181-4015, MET-181-6102; modified from SM 3125 B
ICP/MS
Aluminum
Antimony
Arsenic
Barium
Beryllium
Bismuth
Boron
Cadmium
Chromium
Cobalt
Copper

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Iron
Lead
Lithium
Manganese
Molybdenum
Nickel
Phosphorus
Selenium
Silver
Strontium
Thallium
Tin
Titanium
Tungsten
Uranium
Vanadium
Zinc
Zirconium

Water (Inorganic)
Dissolved Metals - Water (029)
LAB-181-4015, MET-181-6101; modified from SM 3120 B
ICP/OES
Calcium
Iron
Magnesium
Manganese
Phosphorus
Potassium
Silicon
Sodium
Sulphur

Water (Inorganic)
Hexavalent Chromium - Water (030)
INOR-181-6005; modified from SM 3500-CR B
COLORIMETRIC
Hexavalent Chromium

Water (Inorganic)
Nitrate/Nitrite - Water (099)
INOR-181-6026; modified from SM 4500-NO3-F and 4500-NO2-B
COLORIMETRIC
Nitrate (calculation)
Nitrate plus Nitrite
Nitrite

Water (Inorganic)
Nitrogen - Water (031)
INOR-181-6006; modified from SM 4500-N
COMBUSTION - IR
Total Dissolved Nitrogen
Total Nitrogen

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Water (Inorganic)
Oil and Grease - Water (045)
ORG-180-5132; modified from BC MOE LAB MANUAL SECTION D (OIL and GREASE IN WATER BY HEXANE EXTRACTION and GRAVIMETRY-PBM)
GRAVIMETRIC - EXTRACTION
Mineral Oil and Grease
Total Oil and Grease

Water (Inorganic)
Oxidation Reduction Potential - Water (083)
ARD-181-18013; SM 2580 B
ORP METER
Oxidation Reduction Potential

Water (Inorganic)
pH - Water (032)
INOR-181-6000; modified from SM 4500-H+
pH METER
pH

Water (Inorganic)
pH - Water (081)
ARD-181-18011; SM 4500-H+
pH METER
pH

Water (Inorganic)
Phenols - Water (055)
INOR-181-6014; modified from SM 5530 C and EPA 420.2
AUTO COLOR
Total Phenolics

Water (Inorganic)
Phosphate - Water (066)
INOR-181-6021; modified from SM 4500-P F
AUTO COLOR
Phosphate

Water (Inorganic)
Phosphorus - Water (033)
LAB-181-4015, INOR-181-6011; modified from SM 4500-P B, F
AUTO COLOR
Total Dissolved Inorganic Phosphorus
Total Dissolved Phosphorus
Total Inorganic Phosphorus
Total Phosphorus

Water (Inorganic)
Reactive Silica - Water (034)
INOR-181-6012; modified from SM 4500-SIO2
AUTO COLOR
Reactive Silica

Water (Inorganic)
Solids - Water (035)
INOR-181-6007; SM 2540 C, D, E
GRAVIMETRIC
Fixed Solids
Total Dissolved Solids
Total Suspended Solids

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Volatile Solids
Volatile Suspended Solids

Water (Inorganic)
Sulphide - Water (101)
INOR-181-6035; modified from SM 4500-S2-D
COLORIMETRIC
Sulphide

Water (Inorganic)
Tannin and Lignin - Water (075)
INOR-181-6018; modified from SM 5550 B
SPECTROPHOTOMETRIC
Tannin and Lignin

Water (Inorganic)
Total Kjeldahl Nitrogen (TKN) - Water (074)
INOR-181-6034, LAB-181-4017; modified from EPA 351.2
AUTO COLOR
Total Kjeldahl Nitrogen

Water (Inorganic)
Total Mercury - Seawater (061)
MET-181-6100; modified from EPA 245.7
COLD VAPOUR AA - DIGESTION
Mercury

Water (Inorganic)
Total Mercury - Water (037)
MET-181-6100; modified from EPA 245.7
COLD VAPOUR AA - DIGESTION
Mercury

Water (Inorganic)
Total Metals - Seawater (057)
LAB-181-4009, MET-181-6102; modified from SM 3125 B
ICP/MS - DIGESTION
Aluminum
Antimony
Arsenic
Barium
Beryllium
Bismuth
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Lithium
Manganese
Molybdenum
Nickel
Selenium
Silver
Strontium
Thallium

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Tin
Titanium
Tungsten
Uranium
Vanadium
Zinc
Zirconium

Water (Inorganic)
Total Metals - Water (038)
LAB-181-4009, MET-181-6102; modified from SM 3125 B
ICP/MS
Aluminum
Antimony
Arsenic
Barium
Beryllium
Bismuth
Boron
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Lithium
Manganese
Molybdenum
Nickel
Phosphorus
Selenium
Silver
Strontium
Thallium
Tin
Titanium
Tungsten
Uranium
Vanadium
Zinc
Zirconium

Water (Inorganic)
Total Metals - Water (039)
LAB-181-4009, MET-181-6101; modified from SM 3120 B
ICP/OES - DIGESTION
Aluminum
Antimony
Arsenic
Barium
Beryllium
Boron
Cadmium
Calcium
Chromium

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Cobalt
Copper
Iron
Lead
Lithium
Magnesium
Manganese
Molybdenum
Nickel
Phosphorus
Potassium
Selenium
Silicon
Silver
Sodium
Strontium
Sulphur
Tin
Titanium
Uranium
Vanadium
Zinc

Water (Inorganic)
Turbidity - Water (040)
INOR-181-6008; BC MOE Lab Manual, Section B
TURBIDIMETRIC
Turbidity

Water (Microbiology)
Coliforms - Water (052)
MIC-181-7004; SM 9223 B
ENZYME SUBSTRATE (MPN)
Escherichia coli (E. coli)
Total Coliforms

Water (Microbiology)
Coliforms - Water (065)
MIC-181-7003; SM 9222 B and SM 9222 G
MEMBRANE FILTRATION (mENDO)
Escherichia coli (E. coli)
Total Coliforms

Water (Microbiology)
Fecal (Thermotolerant) Coliforms - Water (053)
MIC-181-7005; SM 9222 D
MEMBRANE FILTRATION (mFC)
Fecal (Thermotolerant) Coliforms

Water (Microbiology)
Heterotrophic Plate Count - Water (087)
MIC-181-7012; SM 9215 C
SPREAD PLATE
Heterotrophic Plate Count (HPC)

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Water (Microbiology)
Heterotrophic Plate Count (HPC) - Water (043)
MIC-181-7002; SM 9215 E (IDEXX SIMPLATE)
ENZYME SUBSTRATE
Heterotrophic Plate Count (HPC)

Water (Organic)
BTEX - Water (044)
ORG-180-5130; modified from EPA 8260C and EPA 5012 A
GC/MS - HEADSPACE
Benzene
Ethylbenzene
m/p-xylene
Methyl t-butyl ether
o-xylene
Styrene
Toluene

Water (Organic)
Extractable Petroleum Hydrocarbons (EPH) - Water (064)
ORG-180-5134; modified from BC MOE LAB MANUAL D (EPH)
GC/FID - EXTRACTION
EPH C10-C19
EPH C19-C32

Water (Organic)
Glycols - Water (086)
ORG-180-5136; modified from "NON HALOGENATED ORGANICS USING GC/FID" EPA SW-846 MODULE, METHOD 8015D
GC/FID
Diethylene Glycol
Ethylene Glycol
Propylene Glycol
Tetraethylene Glycol
Triethylene Glycol

Water (Organic)
Petroleum Hydrocarbons (PHC) - Water (092)
ORG-180-5130; BC LAB MANUAL and EPA 8260C and EPA 5021A
GC/MS/FID
F1: C6-C10

Water (Organic)
Petroleum Hydrocarbons (PHC) - Water (093)
ORG-180-5134; BC LAB MANUAL
GC/FID
F2: C10-C16
F3: C16-C34
F4: C34-C50

Water (Organic)
Polycyclic Aromatic Hydrocarbons (PAH) - Water (047)
ORG-180-5133; modified from BC MOE LAB MANUAL SECTION D (PAH IN WATER BY GC/MS-PBH)
GC/MS - EXTRACTION
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene

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Acridine
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
Quinoline

Water (Organic)
Volatile Hydrocarbons (VH) - Water (076)
ORG-180-5130; modified from BC MOE LAB MANUAL SECTION D (VH IN WATER BY GC/FID)
GC/FID - HEADSPACE
VH (C6-C10)

Water (Organic)
Volatile Organic Compounds (VOC) - Water (046)
ORG-180-5131; modified from BC MOE LAB MANUAL SECTION D (VOC IN WATER BY PURGE and TRAP GC/MS-PBM)
GC/MS - PURGE AND TRAP
1,1-Dichloroethane
1,1-dichloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
1,4-dichlorobenzene
Acetone (2-Propanone)
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dichloromethane
Ethylbenzene
Ethylene Dibromide

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m/p-xylene
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl t-butyl ether
o-xylene
Styrene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
VHw (C6-C10)
Vinyl Chloride

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