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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served:
Revised On: March 19, 2020
Valid To: March 10, 2022

Scope of Accreditation

Solids (Inorganic)

Anions - Solids [Soil] (055)

NA-TM-1001, NA-TP-2008; modified from EPA 300.1 and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15

IC-SATURATED PASTE

Bromide

Chloride

Fluoride

Nitrate-N

Nitrite

Sulphate (Sulfate)

Solids (Inorganic)

Conductivity - Solids [Soil] (032)

CL-TM-1024; modified from SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15
METER - SAT. PASTE

Conductivity

Solids (Inorganic)

Conductivity - Solids [Soil] (058)

CL-TM-1023; modified from SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15
METER - EXTRACTION

Conductivity (1:2 soil:water)

Conductivity (1:9 soil:water)

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Solids (Inorganic)

Flashpoint - Solids [Ash, Soil] (046)

CL-TM-1018; modified from ASTM D93

PENSKE-MARTINS CLOSED CUP

Flashpoint

Solids (Inorganic)

Leachable Metals - Solids (174)

NA-TM-1002, NA-TM-1700; modified from EPA 1311 (PREPARATION) and EPA 6020A (ANALYSIS)

ICP/MS - TCLP

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Selenium

Silver

Strontium

Thallium

Tin

Uranium

Vanadium

Zinc

Solids (Inorganic)

Mercury - Solids [Soil] (158)

NA-TM-1005, NA-TP-2012; modified from EPA 1631E

COLD VAPOUR AA - DIGESTION

Mercury

Solids (Inorganic)

Metals - Solids [Soil] (119)

NA-TM-1002, NA-TP-2004; modified from EPA 200.2 and EPA 6020A

ICP/MS - DIGESTION

Aluminum

Antimony

Arsenic

Barium

Beryllium

Bismuth

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Boron
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Lithium
Magnesium
Manganese
Molybdenum
Nickel
Phosphorus
Potassium
Selenium
Silver
Sodium
Strontium
Thallium
Tin
Titanium
Uranium
Vanadium
Zinc
Zirconium

Solids (Inorganic)

Moisture - Solids [Soil] (120)

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

Percent Moisture

Solids (Inorganic)

Oil and Grease - Solids [Soil] (135)

CL-TM-1109; modified from EPA 9071B
GRAVIMETRIC

Mineral Oil and Grease

Solids (Inorganic)

Paint Filter - Solids [Paint, Soil] (065)

CL-TM-1015; modified from EPA 9095B
FILTRATION

Paint Filter (Free Liquid)

Solids (Inorganic)

Particle Size Analysis (PSA) - Solids [Soil] (068)

CL-TM-1013; modified from ASTM D422-63
GRAVIMETRIC - SIEVE

D50 >75um

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Solids (Inorganic)

Percent Saturation - Solids [Saturated Paste] (108)

NA-TP-2008; modified from SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15
GRAVIMETRIC - SATURATED PASTE

Saturation Percentage

Solids (Inorganic)

pH - Solids [Soil] (031)

CL-TM-1024; modified from CARTER15
METER - SAT. PASTE

pH

Solids (Inorganic)

pH - Solids [Soil] (057)

CL-TM-1023; modified from BC MOE LABORATORY MANUAL and EPA 9045D and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 16
METER - EXTRACTION

pH (1:1) soil:water

pH (1:2) soil:water

pH (1:9) soil:water

Solids (Inorganic)

pH - Solids [Soil] (173)

CL-TM-1023; modified from SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 16
METER CaCl₂ EXTRACTION

pH (1:2) soil:CaCl₂

pH (1:9) soil:CaCl₂

Solids (Inorganic)

Phosphate - Solids [Soil] (178)

CL-TM-1026, NA-TP-2008; modified from SM 4500-P E and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15

COLORIMETRIC- SATURATED PASTE

Phosphate

Solids (Inorganic)

Resistivity - Solids [Soil] (164)

CL-TM-1012; modified from ASTM G57
RESISTANCE METER

Resistivity

Solids (Inorganic)

Soluble Anions - Solids [Soil] (113)

CL-TM-1025, NA-TP-2008; modified from SM 4500-CL E and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15

COLOR - SATURATED PASTE

Chloride

Chloride

Solids (Inorganic)

Soluble Barium - Solids [Soil] (132)

CL-TM-1010, CL-TM-1028; modified from ALBERTA ENVIRONMENT 628 and B.C. ENV. BCL QAAC
ICP/OES

Soluble Barium

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Solids (Inorganic)

Soluble Cations - Solids [Soil] (024)

CL-TM-1028, NA-TP-2008; modified from EPA 6010D and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15

ICP/OES - SATURATED PASTE EXTRACTION

Boron

Calcium

Magnesium

Potassium

Sodium

Sulphur (Sulfur)

Solids (Inorganic)

Soluble Cations - Solids [Soil] (177)

NA-TM-1002, NA-TP-2008; modified from EPA 6020B and SOIL SAMPLING & METHODS OF ANALYSIS, CARTER 15

ICP/MS -SATURATED PASTE EXTRACTION

Calcium

Magnesium

Potassium

Sodium

Solids (Inorganic)

Specific Gravity - Solids (175)

CL-TM-1007; modified from ASTM D5057

GRAVIMETRIC

Specific Gravity

Solids (Organic)

Alcohols - Solids [Soil] (072)

CL-TM-1107; modified from EPA 3550C and EPA 8015D

GC/FID

1-Butanol (n-Butanol)

1-Propanol

2-Propanol (Isopropyl alcohol)

Ethanol

Isobutanol (2-Methyl-1-propanol)

Methanol

Pentanol

sec-Butanol

Solids (Organic)

BTEX - Solids [Soil] (038)

NA-TM-1102, NA-TP-2102; modified from EPA 5021A (ANALYSIS) and EPA 5035A (PREPARATION) and EPA 8260C (ANALYSIS)

GC/MS - HEADSPACE

Benzene

Ethylbenzene

m,p-Xylene

Methyl t-butyl ether

o-Xylene

Styrene

Toluene

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Solids (Organic)

Cresols and Nitrobenzene (CNB) - Solids [Soil] (142)

CL-TM-1100; EPA 3570 and EPA 8270

GC/MS - TUMBLER EXTRACTION

2-Methylphenol (o-Cresol)

m,p-Cresol

Nitrobenzene

Solids (Organic)

Extractable Petroleum Hydrocarbons (EPH) - Solids [Soil] (144)

NA-TM-1106, NA-TP-2106; BC MOE LABORATORY MANUAL

GC/FID - EXTRACTION

EPH C10-C19 (sg)

EPH C19-C32 (sg)

Extractable Petroleum Hydrocarbons (EPH): C10-C19

Extractable Petroleum Hydrocarbons (EPH): C19-C32

Solids (Organic)

Glycols - Solids [Soil] (070)

CL-TM-1107; modified from EPA 3550C and EPA 8015D

GC/FID

1,3-Propanediol (Trimethylene glycol)

Diethylene glycol

Ethylene glycol

Propylene glycol

Tetraethylene glycol

Triethylene glycol

Solids (Organic)

Hydrocarbons - Solids [Soil] (048)

CL-TM-1116; EPA 3570 and EPA 8000

GC/FID - EXTRACTION

Hydrocarbons: C11-C60

Solids (Organic)

Petroleum Hydrocarbons (PHC) - Solids [Sediment, Soil] (127)

NA-TM-1100, NA-TP-2100; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

GRAVIMETRIC - TUMBLER

F4: Gravimetric

F4G-SG: Gravimetric Heavy Hydrocarbons - Silica

Solids (Organic)

Petroleum Hydrocarbons (PHC) - Solids [Soil] (088)

NA-TM-1102; BC MOE LABORATORY MANUAL and CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

GC/FID - HEADSPACE

F1: C6-C10

VH: C6-C10

Solids (Organic)

Petroleum Hydrocarbons (PHC) - Solids [Soil] (105)

NA-TM-1100, NA-TP-2100; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

GC/FID - TUMBLER EXTRACTION

F2: C10-C16

F3: C16-C34

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Solids (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Solids [Soil] (147)

CL-TP-2102, NA-TM-1106, NA-TP-2103; modified from EPA 3570 and EPA 8270D

GC/MS - HEXANE/ACETONE EXTRACTION

1-Methylnaphthalene

2-Methylnaphthalene

7,12-Dimethylbenz(a)anthracene

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b,j)fluoranthene

Benzo(c)phenanthrene

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

Quinoline

Retene

Solids (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) and Alkylated Polycyclic Aromatic Hydrocarbons (PAH) - Solids [Soil] (136)

CL-TM-1106; modified from EPA 3570 and EPA 8270D

GC/MS

1-Methylnaphthalene

2-Methylnaphthalene

7,12-Dimethylbenz(a)anthracene

Acenaphthene

Acenaphthylene

Acridine

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b,j)fluoranthene

Benzo(c)phenanthrene

Benzo(e)pyrene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

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Biphenyl (1,1-Biphenyl)
C1-Acenaphthenes
C1-Benz(a)anthracene/Chrysene
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes
C1-Phenanthrenes/Anthracenes
C2-Benz(a)anthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls
C2-Dibenzothiophenes
C2-Fluoranthenes/Pyrenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthrenes/Anthracenes
C3-Benz(a)anthracenes/Chrysenes
C3-Dibenzothiophenes
C3-Fluoranthenes/Pyrenes
C3-Fluorenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Benz(a)anthracenes/Chrysenes
C4-Dibenzothiophenes
C4-Fluoranthenes/Pyrenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3 - cd)pyrene
Methylanthracenes
Naphthalene
Perylene
Phenanthrene
Pyrene
Quinoline
Retene

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Solids (Organic)

Solvent Scan - Solids [Soil] (134)

CL-TM-1114; modified from EPA 5021A and EPA 8260

GC/MS - HEADSPACE

2-Nitropropene

Acetone (2-Propanone)

Benzene

Carbon disulfide

Cyclohexanone

Ethyl acetate

Ethyl ether

Ethylbenzene

m,p-Xylene

Methyl Ethyl Ketone

n-Butyl Alcohol

o-Xylene

Pyridine

Toluene

Solids (Organic)

Total Extractable Hydrocarbons (TEH) - Solids [Soil] (039)

CL-TP-2101, NA-TM-1100; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

(ALLOWABLE MODIFICATIONS)

GC/FID - EXTRACTION

Total Extractable Hydrocarbons (TEH)

Solids (Organic)

Total Volatile Hydrocarbons (TVH) - Solids [Soil] (093)

CL-TP-2102, NA-TM-1102; modified from BC MOE LABORATORY MANUAL

GC/FID - HEADSPACE

Total Volatile Hydrocarbons (TVH): C5-C10

Solids (Organic)

Volatile Organic Compounds (VOC) - Solids [Soil] (172)

NA-TM-1102, NA-TP-2102; modified from EPA 5021A and EPA 5035A and EPA 8260C

GC/MS - HEADSPACE

1,1-Dichloroethane

1,1-Dichloroethylene

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 (DBCP)

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

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1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,4-Dichlorobenzene
2-Chlorotoluene
2-isopropyltoluene (o-Cymene)
2,2-Dichloropropane
3-Isopropyltoluene (m-Cymene)
4-Chlorotoluene (p-Chlorotoluene)
4-isopropyltoluene (p-Cymene)
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane (Ethyl Chloride)
Chloroethene (Vinyl chloride)
Chloroform
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromomethane
Dichlorodifluoromethane
Dichloromethane
Ethylbenzene
Ethylene Dibromide
Hexachlorobutadiene
Isopropylbenzene (Cumene)
m,p-Xylene
n-Butylbenzene
n-Decane
n-Propylbenzene
o-Xylene
sec-Butylbenzene
Styrene
tert-Butylbenzene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene

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Trichlorofluoromethane

Tissue (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - Tissue (170)

CL-TM-1106; modified from EPA 3630C and EPA 8270D

GC/MS

1-Methylnaphthalene

2-Methylnaphthalene

7,12-Dimethylbenz(a)anthracene

Acenaphthalene

Acenaphthene

Acridine

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b,j)fluoranthene

Benzo(c)phenanthrene

Benzo(e)pyrene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Biphenyl (1,1-Biphenyl)

C1-Acenaphthenes

C1-Benz(a)anthracene/Chrysene

C1-Benzofluoranthenes/Benzopyrenes

C1-Biphenyls

C1-Dibenzothiophenes

C1-Fluoranthenes/Pyrenes

C1-Fluorenes

C1-Phenanthrenes/Anthracenes

C2-Benz(a)anthracenes/Chrysenes

C2-Benzofluoranthenes/Benzopyrenes

C2-Biphenyls

C2-Dibenzothiophenes

C2-Fluoranthenes/Pyrenes

C2-Fluorenes

C2-Naphthalenes

C2-Phenanthrenes/Anthracenes

C3-Benz(a)anthracenes/Chrysenes

C3-Dibenzothiophenes

C3-Fluoranthenes/Pyrenes

C3-Fluorenes

C3-Naphthalenes

C3-Phenanthrenes/Anthracenes

C4-Benz(a)anthracenes/Chrysenes

C4-Dibenzothiophenes

C4-Fluoranthenes/Pyrenes

C4-Naphthalenes

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C4-Phenanthrenes/Anthracenes
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Dibenzothiophene
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Methylanthracenes
Naphthalene
Perylene
Phenanthrene
Pyrene
Quinoline
Retene

Waste (Inorganic)

Leachable Mercury - Waste (159)

NA-TM-1005, NA-TM-1700; EPA 1311 (PREPARATION) and EPA 1631E (ANALYSIS)
COLD VAPOUR AA - TCLP

Mercury

Waste (Inorganic)

Leachable Metals - Waste (125)

CL-TM-1028, NA-TM-1700; modified from EPA 1311 (PREPARATION) and EPA 6010 (ANALYSIS)
ICP/OES - TCLP

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Nickel

Selenium

Silver

Thallium

Uranium

Vanadium

Zinc

Zirconium

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Waste (Organic)

Leachable BTEX - Waste (124)

CL-TM-1104, NA-TM-1102; modified from EPA 1311 (PREPARATION) and EPA 8260 (ANALYSIS)

GC/MS - HEADSPACE - TCLP

Benzene

Ethylbenzene

m,p-Xylene

o-Xylene

Toluene

Waste (Organic)

Volatile Organic Compounds (VOC) - Waste (162)

CL-TM-1104, NA-TM-1102; modified from EPA 1311 (PREPARATION) and EPA 8260 (ANALYSIS)

GC/MS - HEADSPACE - TCLP

1,1-Dichloroethylene

1,2-Dichlorobenzene

1,2-Dichloroethane

1,4-Dichlorobenzene

Benzene

Bromodichloromethane

Bromoform

Carbon tetrachloride

Chlorobenzene

Chloroethene (Vinyl chloride)

Chloroform

Dibromochloromethane

Dichloromethane

Ethylbenzene

m,p-Xylene

Methyl ethyl ketone

o-Xylene

Tetrachloroethylene

Toluene

Trichloroethylene

Xylenes

Water (Inorganic)

Acidity - Water (163)

CL-TM-1030; modified from SM 2310

TITRIMETRIC

Acidity

Water (Inorganic)

Alkalinity - Water (007)

CL-TM-1030; modified from SM 2320 B

TITRIMETRIC

Alkalinity (pH 4.5)

Alkalinity (pH 8.3)

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Water (Inorganic)

Ammonia - Water (151)

CL-TM-1034; JOURNAL OF ENVIRONMENTAL MONITORING (2005) SECTION 7, P. 37-42
FLUORIMETRY

Ammonia

Water (Inorganic)

Anions - Water (001)

NA-TM-1001; modified from EPA 300.1
ION CHROMATOGRAPHY

Bromide

Chloride

Fluoride

Nitrate

Nitrite

Sulfate

Water (Inorganic)

Biochemical Oxygen Demand (BOD) - Water [Effluent] (052)

CL-TM-1002; modified from SM 5210 A and SM 5210 B
D.O. METER

BOD (5 day)

CBOD (5 day)

Water (Inorganic)

Carbon - Water (010)

CL-TM-1001; modified from SM 5310 B
IR - COMBUSTION

Inorganic Carbon

Organic Carbon

Total Carbon (TC)

Water (Inorganic)

Chemical Oxygen Demand (COD) - Water (074)

CL-TM-1011; modified from SM 5220 D
COLOR

COD

Water (Inorganic)

Colour - Water (103)

CL-TM-1017; modified from SM 2120 C
COLORIMETRIC

True Colour

Water (Inorganic)

Conductivity - Water (009)

CL-TM-1030; modified from SM 2510 B
CONDUCTIVITY METER (AUTOMATED)

Conductivity (25°C)

Water (Inorganic)

Dissolved Metals - Water (022)

CL-TM-1028, NA-TP-2002; modified from EPA 6010D and SM 3030 B
ICP/OES - FILTRATION

Calcium

Hardness (calculation)

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Iron
Magnesium
Manganese
Potassium
Silicon
Sodium
Sulphur (Sulfur)

Water (Inorganic)

Dissolved Metals - Water (112)

NA-TM-1002, NA-TP-2002; modified from EPA 6020A and SM 3030 B
ICP/MS - FILTRATION

Aluminum
Antimony
Arsenic
Barium
Beryllium
Bismuth
Boron
Cadmium
Calcium
Cesium
Chromium
Cobalt
Copper
Hardness (calculation)
Iron
Lead
Lithium
Magnesium
Manganese
Molybdenum
Nickel
Phosphorus
Potassium
Rubidium
Selenium
Silicon
Silver
Sodium
Strontium
Sulphur (Sulfur)
Tellurium
Thallium
Thorium
Tin
Titanium

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Tungsten
Uranium
Vanadium
Zinc
Zirconium

Water (Inorganic)

Mercury - Water (155)

NA-TM-1005, NA-TP-2001, NA-TP-2002; modified from EPA 200.2 and EPA 245.1 and SM 3030 B
CVAA - BrCl DIGESTION

Mercury

Water (Inorganic)

Oil and Grease - Water (168)

NA-TM-1107; BC MOE LABORATORY MANUAL SECTION D
GRAVIMETRIC

Mineral Oil and Grease

Total Oil and Grease

Water (Inorganic)

Oxidation Reduction Potential (ORP) - Water (167)

CL-TM-1009; modified from ASTM D1498
MV METER

Oxidation Reduction Potential (ORP)

Water (Inorganic)

pH - Water (008)

CL-TM-1030; modified from SM 4500-H+
pH METER (AUTOMATED)

pH

Water (Inorganic)

Phosphate - Water (116)

CL-TM-1026; modified from SM 4500-P B and SM 4500-P E
COLORIMETRIC

Phosphate

Water (Inorganic)

Phosphorus - Water (115)

CL-TM-1026; modified from SM 4500-P B and SM 4500-P E
COLOR - DIGESTION

Total Dissolved Phosphorus

Total Phosphorus

Water (Inorganic)

Solids - Water (003)

CL-TM-1005, NA-TM-1004; modified from SM 2540 C and SM 2540 D and SM 2540 E
GRAVIMETRIC

Total Dissolved Solids

Total Solids (TS)

Total Suspended Solids

Volatile Suspended Solids

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Water (Inorganic)

Total Kjeldahl Nitrogen (TKN) - Water (152)

CL-TM-1021, NA-TM-1006; JOURNAL OF ENV. MON. (2005) SEC. 7, 37-42 and SM 4500-NORG A and SM 4500-NORG B and SM 4500-NORG C and SM 4500-NORG D

FLUORIMETRY

Dissolved Kjeldahl Nitrogen

Total Kjeldahl Nitrogen

Water (Inorganic)

Total Metals - Water (110)

NA-TM-1002, NA-TP-2001; modified from EPA 200.2 and EPA 6020A

ICP/MS - DIGESTION

Aluminum

Antimony

Arsenic

Barium

Beryllium

Bismuth

Boron

Cadmium

Calcium

Cesium

Chromium

Cobalt

Copper

Hardness (calculation)

Iron

Lead

Lithium

Magnesium

Manganese

Molybdenum

Nickel

Phosphorus

Potassium

Rubidium

Selenium

Silicon

Silver

Sodium

Strontium

Sulphur (Sulfur)

Tellurium

Thallium

Thorium

Tin

Titanium

Tungsten

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Uranium
Vanadium
Zinc
Zirconium

Water (Inorganic)

Total Metals - Water (111)
CL-TM-1028, NA-TP-2001; modified from EPA 200.2 and EPA 6010D
ICP/OES - DIGESTION
Calcium
Hardness (calculation)
Iron
Magnesium
Manganese
Potassium
Silicon
Sodium
Sulphur (Sulfur)

Water (Inorganic)

Turbidity - Water (075)
CL-TM-1006; modified from SM 2130 B
NEPHELOMETRY
Turbidity

Water (Microbiology)

Coliforms - Water (095)
NA-TM-1300; modified from SM 9223 B
MOST PROBABLE NUMBER (QUANTI-TRAY)
Escherichia coli
Total Coliforms

Water (Microbiology)

Fecal (Thermotolerant) Coliforms - Water (096)
CL-TM-1302; modified from SM 9222
MEMBRANE FILTRATION
Fecal (Thermotolerant) Coliforms

Water (Microbiology)

Heterotrophic Plate Count (HPC) - Water (156)
NA-TM-1300; modified from SM 9215 E
MOST PROBABLE NUMBER (QUANTI-TRAY)
Heterotrophic Plate Count (HPC)

Water (Microbiology)

Iron Reducing Bacteria (IRB) - Water (118)
CL-TM-1303; IRB-BART
BART
Iron Related Bacteria (IRB)

Water (Microbiology)

Sulfate Reducing Bacteria (SRB) - Water (117)
CL-TM-1303; SRB-BART
BART
Sulphur Reducing Bacteria

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Water (Organic)

Alcohols - Water (073)

CL-TM-1107; modified from EPA 3550C and EPA 8015D

GC/FID

1-Butanol (n-Butanol)

1-Propanol

2-Propanol (Isopropyl alcohol)

Ethanol

Isobutanol (2-Methyl-1-propanol)

Methanol

Pentanol

sec-Butanol

Water (Organic)

Alkylated and Nitrogen Polycyclic Aromatic Hydrocarbons (PAH) - Water (154)

CL-TM-1102; modified from EPA 3510C and EPA 8270D

GC/MS

2,4-Dimethylquinoline

4,6,8-Trimethylquinoline

7-Methylquinoline

9-Ethylcarbazole

9-Methylacridine

9-Methylcarbazole

Acridine

Carbazole

Phenanthridine

Quinoline

Water (Organic)

BTEX and MTBE and Styrene - Water (150)

NA-TM-1102; modified from EPA 8260C

GC/FID - HEADSPACE

Benzene

Ethylbenzene

m,p-Xylene

Methyl t-butyl ether

Methyl tert-butyl ether (MTBE)

o-Xylene

Styrene

Styrene

Toluene

Water (Organic)

Cresols and Nitrobenzene (CNB) - Water (169)

CL-TM-1100; EPA 3511 and EPA 8270D

GC/MS - MICROEXTRACTION

2-Methylphenol (o-Cresol)

m,p-Cresol

Nitrobenzene

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Water (Organic)

Extractable Petroleum Hydrocarbons (EPH) - Water (145)
NA-TM-1112; BC MOE LABORATORY MANUAL
GC/FID - EXTRACTION
EPH C10-C19 (sg)
EPH C19-C32 (sg)
Extractable Petroleum Hydrocarbons (EPH): C10-C19
Extractable Petroleum Hydrocarbons (EPH): C19-C32

Water (Organic)

Glycols - Water (071)
CL-TM-1107; modified from EPA 3550C and EPA 8015D
GC/FID
1,3-Propanediol (Trimethylene glycol)
Diethylene glycol
Ethylene glycol
Propylene glycol
Tetraethylene glycol
Triethylene glycol

Water (Organic)

Methane - Water (092)
CL-TM-1115; EPA REGION 1 METHANE, ETHANE, ETHENE ANALYSIS GUIDANCE REVISION 1, 2002.
GC/FID - EXTRACTION
Methane

Water (Organic)

Petroleum Hydrocarbons (PHC) - Water (076)
NA-TM-1112, NA-TP-2100; modified from EPA 3510C and EPA 3511 and EPA 8000
GC/FID - EXTRACTION
F2: C10-C16
F3: C16-C34
F4: C34-C50
Hydrocarbons: C11-C60

Water (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) and Alkylated Polycyclic Aromatic Hydrocarbons (PAH) - Water (171)
CL-TP-2112, NA-TM-1112; modified from EPA 3511 and EPA 8270D
GC/MS - MICROEXTRACTION
1-Methylnaphthalene
2-Methylnaphthalene
7,12-Dimethylbenz(a)anthracene
Acenaphthene
Acenaphthylene
Acridine
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b,j)fluoranthene
Benzo(b,j)fluoranthene
Benzo(c)phenanthrene
Benzo(e)pyrene

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Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl (1,1-Biphenyl)
C1-Acenaphthenes
C1-Benz(a)anthracene/Chrysene
C1-Benzofluoranthenes/Benzopyrenes
C1-Biphenyls
C1-Dibenzothiophenes
C1-Fluoranthenes/Pyrenes
C1-Fluorenes
C1-Phenanthrenes/Anthracenes
C2-Benz(a)anthracenes/Chrysenes
C2-Benzofluoranthenes/Benzopyrenes
C2-Biphenyls
C2-Dibenzothiophenes
C2-Fluoranthenes/Pyrenes
C2-Fluorenes
C2-Naphthalenes
C2-Phenanthrenes/Anthracenes
C3-Benz(a)anthracenes/Chrysenes
C3-Dibenzothiophenes
C3-Fluoranthenes/Pyrenes
C3-Fluorenes
C3-Naphthalenes
C3-Phenanthrenes/Anthracenes
C4-Benz(a)anthracenes/Chrysenes
C4-Dibenzothiophenes
C4-Fluoranthenes/Pyrenes
C4-Naphthalenes
C4-Phenanthrenes/Anthracenes
Carbazole
Chrysene
Dibenzo(a,h)anthracene
Dibenzofuran
Dibenzothiophene
Fluoranthene
Fluorene
Indeno(1,2,3 - cd)pyrene
Methylanthracenes
Naphthalene
Perylene
Phenanthrene
Pyrene
Quinoline
Retene

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Water (Organic)

Solvent Scan - Water (128)

CL-TM-1104, CL-TM-1114; modified from EPA 1311 (PREPARATION) and EPA 8260 (ANALYSIS)

GC/MS - HEADSPACE TCLP

2-Nitropropane

Acetone (2-Propanone)

Benzene

Carbon disulfide

Cyclohexanone

Ethyl acetate

Ethyl ether

Ethylbenzene

m,p-Xylene

Methyl ethyl ketone

n-Butyl Alcohol

o-Xylene

Pyridine

Toluene

Water (Organic)

Total Extractable Hydrocarbons (TEH) - Water (016)

NA-TM-1112; modified from EPA 3511

GC/FID - EXTRACTION

Total Extractable Hydrocarbons (TEH)

Water (Organic)

Total Volatile Hydrocarbons (TVH) - Water (094)

NA-TM-1102; modified from CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD

GC/FID - HEADSPACE

Total Volatile Hydrocarbons (TVH)

Water (Organic)

Volatile Hydrocarbons (VH) - Water (148)

NA-TM-1102; modified from BC MOE LABORATORY MANUAL and CCME CWS PETROLEUM

HYDROCARBONS IN SOIL - TIER 1 METHOD and EPA 5021A

GC/FID - HEADSPACE

F1: C6-C10

Water (Organic)

Volatile Organic Compounds (VOC) - Water (161)

NA-TM-1102; modified from EPA 5021A and EPA 8260

GC/MS - HEADSPACE

1,1-Dichloroethane

1,1-Dichloroethylene

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 (DBCP)

1,2-Dichlorobenzene

1,2-Dichlorobenzene

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1,2-Dichloroethane
1,2-Dichloroethane
1,2-Dichloropropane
1,2-Dichloropropane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,4-Dichlorobenzene
2-Chlorotoluene
2-Hexanone (Methyl butyl ketone, MBK)
2-isopropyltoluene (o-Cymene)
2,2-Dichloropropane
3-Isopropyltoluene (m-Cymene)
4-Chlorotoluene (p-Chlorotoluene)
4-isopropyltoluene (p-Cymene)
Acetone (2-Propanone)
Acrolein (Propenal)
Acrylonitrile
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane (Ethyl Chloride)
Chloroform
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
cis-1,4-Dichloro-2-butene
Dibromomethane
Dichlorodifluoromethane
Dichloromethane
Ethanol
Ethyl methacrylate
Ethylbenzene
Ethylene Dibromide

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Hexachlorobutadiene
Isopropylbenzene (Cumene)
m,p-Xylene
Methyl ethyl ketone
Methyl iodide
Methyl isobutyl ketone (MIBK)
n-Butylbenzene
n-Propylbenzene
Naphthalene
o-Xylene
sec-Butylbenzene
Styrene
tert-Butylbenzene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Trichloroethylene
Trichlorofluoromethane
Vinyl chloride

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