TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

La présente portée d'accréditation existe également en français et est publiée séparément.

Legal Name of Accredited Laboratory:	**Bureau Veritas Canada (2019) Inc.**
Location Name or Operating as (if applicable):	Bureau Veritas (Calgary)
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SCC File Number:	151043
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Program Specialty Area:	Environmental Testing (ET)
Initial Accreditation:	2016-08-30
Most Recent Accreditation:	2025-06-02
Accreditation Valid to:	2028-08-03

SCC Group Accreditation:
This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

15229 - Bureau Veritas - 6744 - 50 Street NW, Edmonton, AB, T6B 3M9
151039 - Bureau Veritas - Unit D, 675 Berry St., Winnipeg, MB, R3H 1A7

Testing is performed at the following locations:

Air testing: #1 2080-39th Avenue N.E. Calgary, AB. T2E 6P7
Inorganic, organic chemistry and water microbiology: 4000-19 Street N.E. Calgary, AB T2E 6P8 and #3-4 2080-39th Avenue N.E. Calgary, AB. T2E 6P7, and 2021 – 41 Avenue NE, Calgary, AB T2E 6P2

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental:

Soil/Solid/Waste

AB SOP-00047	Free Liquid (Paint Filter Test) (Modified EPA 9095 B) Volumetric Free Liquid in Waste Samples

Soil/Solid/Liquid

AB SOP-00062	Flashpoint by Small Scale Closed Cup Tester (SetaFlash) (Modified ASTM D3828) Seta Flash Closed Cup Flashpoint

Water

AB SOP-00011	Silica (Reactive) by Discrete Autoanalyzer - Molybdate/ANSA Reduction Method (Modified EPA 370.1) Colorimetric Reactive Silica
AB SOP-00016	Chemical Oxygen Demand (Total and Dissolved) (Modified SM 5220 D) Colorimetric COD
AB SOP-00017	Biochemical Oxygen Demand and Dissolved Oxygen (Modified SM 5210 B and SM 4500-O G) D.O. Meter BOD (5 day) CBOD (5 day) Dissolved Oxygen

AB SOP-00023	Nitrite and Nitrate by Ion Chromatography (Modified SM 4110 B) Ion Chromatography Nitrate Nitrite
AB SOP-00024	Total Phosphorus by Konelab - Ascorbic Acid Reduction Method (Modified from SM 4500-P, A, B, F) Colorimetric Inorganic phosphorus Total Phosphorus
AB SOP-00026	Sulfate by Ion Chromatography (Modified SM 4110B] Ion Chromatography Sulfate
AB SOP-00032	The Determination of Residual Chlorine in Waters (Modified SM 4500 CL G) Colorimetric Free Chlorine Total Chlorine
AB SOP-00041	Ferrous and Ferric Iron in Water-Colorimetric Determination (Modified SM 3500-Fe A, B) Colorimetric Ferrous Iron
AB SOP-00058	Dissolved Oxygen- Modified Winkler Method (Modified SM 4500-O C) Titrimetric Dissolved Oxygen
AB SOP-00060	Naphthenic Acids in water by FTIR (Modified EPA 3510C R3/FTIR) IR Naphthenic Acids
AB SOP-00061	Total Suspended Solids, Total Fixed Solids, Total Volatile Solids (Modified SM 2540 D, E) Gravimetric Total Suspended Solids Total Suspended Solids Fixed Total Suspended Solids Volatile
AB SOP-00065	Total Dissolved Solids (TDS) [Modified SM 2540 C] Gravimetric Total Dissolved Solids
AB SOP-00070	Extraction and Analysis of Naphthenic Acids in Water (DCM Extraction) [Modified from Syncrude 1995 m] IR DCM Extraction Naphthenic Acids

AB SOP-00084	Mercury in Water and Liquids by Bromination and Cold Vapour [Modified BC MOE LABORATORY MANUAL SECTION C and EPA 245.7] Mercury
AB SOP-00087	Organic Carbon by Technicon - Persulfate UV Oxidation (Modified Methods Manual for Chemical Analysis of Water and Wastes, Method Code 119) Colorimetric Organic Carbon
AB SOP-00092	Oil and Grease Water Analysis by Gravimetric Hexane Extraction Method (Modified SM 5520 B, Gravimetric) Total Oil and Grease Total Petroleum Hydrocarbons (TPH)
CAL SOP-00049	Color by Discrete Autoanalyzer (Modified SM 2120C) Spectrophotometric Apparent colour True Color
CAL SOP-00055	Glycolic and Lactic Acid by reversed-phase chromatography (Modified from Dionex ICE-AS6 DOC NO 34961) Ion Chromatography Glycolic Acid Lactic Acid
CAL SOP-00057	Iodide, Thiocyanate, and Thiosulfate by Ion Chromatography (Modified DIONEX, DOC NO 034035) Ion Chromatography Iodide Thiocyanate Thiosulfate
CAL SOP-00063	Organic Acids by reversed-phase chromatography (conductivity detection) (Modified DIONEX ICE-AS1 DOC NO 031181) Ion Chromatography Acetic Acid Butyric Acid Formic Acid Propionic Acid
CAL SOP-00065	Oxalic Acid by Ion Chromatography - Conductivity Detection (Modified from SM 4110B) Ion Chromatography Oxalic Acid
CAL SOP-00071	Sulfite by Ion Chromatography – conductivity detection (Modified SM 4110 B) Ion Chromatography - Conductivity Detector Sulfite

CAL SOP-00076	Total and Dissolved Inorganic Carbon by Automated Colourimetry (Modified AE 2411) Inorganic Carbon
CAL SOP-00081	Turbidity – Nephelometric Method (Modified SM 2130 B) Nephelometric Turbidity
CAL SOP-00099	Extraction and analysis of Resin and Fatty Acids in water by GCMS (Modified AE 129.0 and EPA 8270E) GC/MS 12,14-Dichlorodehydroabietic Acid — 12-Chlorodehydroabietic Acid 14-Chlorodehydroabietic Acid — 9,10-Dichlorostearic Acid (C18) Abietic Acid — Decanoic Acid C10 Dehydroabietic Acid — Docosanoic Acid C22 Dodecanoic Acid C12 — Eicosanoic Acid C20 Hexadecanoic Acid C16 — Isopimaric Acid Linoleic Acid C18:2 — Linoleic Acid C18:3 Neoabietic Acid — Octadecanoic Acid C18 Oleic Acid C18:1 — Palmitoleic Acid Palustric Acid Pimaric Acid — Sandaracopimaric Acid Tetradecanoic Acid (C14) — Undecanoic Acid (C11) Total of Resin Acids — Total of Fatty Acids
CAL SOP-00265	ICPMS Analysis for Low Level Metals (Modified EPA SW846 6020B) ICP/MS Aluminum — Antimony — Arsenic — Barium Beryllium — Bismuth — Boron — Cadmium Calcium — Cesium — Chromium — Cobalt Copper — Iron — Lanthanum — Lead Lithium — Magnesium — Manganese — Molybdenum Nickel — Phosphorus — Potassium — Rubidium Selenium — Silicon — Silver — Sodium Strontium — Sulphur — Tellurium — Thallium Thorium — Tin — Titanium — Tungsten Uranium — Vanadium — Zinc — Zirconium
CAL SOP-00266	Determination of Free Cyanide (Modified EPA 9016) Colorimetric- Distillation Free cyanide

CAL SOP-00273	Determination of Chlorophyll and Pheophytin (Modified SM 10150 A, B) Chlorophyll A Chlorophyll B Chlorophyll C Pheophytin

Emissions (Air)

EMS SOP-00112	Fixed Gases - Air (Modified Method 3, Alberta Stack Sampling Code, 1995, Publication Number: REF.89 and EPA 3C) GC/TCD CO CO_2 N_2 O_2
EMS SOP-00114	Hydrocarbons – Air (Modified AENV18) GC/FID Total Hydrocarbons as Methane
*EMS SOP-00116	Total/Trace Reduced Sulfur - Air (Modified from AENV.TRS.P&P-1 and AENV.TRS.SGP-1) GC/PID Carbon disulfide Carbonyl sulfide Dimethyl disulfide Dimethyl sulfide Hydrogen sulphide Methyl mercaptan
EMS SOP-00122	Chlorine and Chlorine Dioxide – Air (Field) (Modified Alberta Environment Stack Code, 1995, Publication Number REF 89) Iodometric Determination Chlorine Chlorine Dioxide

Soil/Solid

*AB SOP-00002	Moisture Content in Soil (Modified CCME Petroleum Hydrocarbons in Soil - Tier 1 Method Section 13) Gravimetric % Moisture
*AB SOP-00003	Analysis of PAH in Water, Soil, Oil and Leachates by GC/MS (Modified EPA 8270E and EPA 3540C) - Soils and water

	1-Methylnaphthalene Acenaphthene Acridine Benzo (a) anthracene Benzo (b, j) fluoranthene Benzo (k) fluoranthene Benzo(e)pyrene Dibenzo (a,h) anthracene Fluorene Naphthalene Phenanthrene Quinoline	2-Methylnaphthalene Acenaphthylene Anthracene Benzo (a) pyrene Benzo (g,h,i) perylene Benzo(c)phenanthrene Chrysene Fluoranthene Indeno (1,2,3 - cd) pyrene Perylene Pyrene
AB SOP-00004	Determination of Electrical Conductivity on Water and Soluble Soil Extract (Modified SM 2510B) - Soils and waters Conductivity Meter Conductivity	
AB SOP-00005	Alkalinity Acidity Conductivity Fluoride and pH by PC-Titrate (Modified SM 2510 B, SM 4500 H+B, SM 2320 B, SM 4500-F C, SM 2310 B) - Soil & Waters PC Titrate Conductivity (25 °C) Alkalinity Fluoride pH Acidity	
AB SOP-00006	pH on Water and Soluble Soil Extracts (Modified from SM 4500-H+ B) – Soils and Waters pH Meter pH	
AB SOP-00007	Ammonia-Nitrogen by Automated Phenate colorimetric method (Modified SM4500-NH3 A&G) – Soils and Waters Colorimetric Ammonia Ammonia – Extraction	
AB SOP-00008	TKN by Discrete Autoanalyzer (Modified EPA 351.1, EPA 351.2) - Soils Colorimetric Total Kjeldahl Nitrogen	
AB SOP-00019	Calcium Carbonate Equivalence by pH (Modified SSMA 20.2) pH Meter Calcium Carbonate Equivalence (CCE)	

AB SOP-00020	Chloride and Sulfate Analysis by Discrete Autoanalyzer (Modified SM 4500 Cl E & SM 4500 SO4 E) – Soils and Waters Chloride Sulfate
AB SOP-00022	Particle Size Distribution by Sieve Analysis (Modified ASTM D6913) Gravimetric/SIEVE Grain size Particle size by sieve (Special)
AB SOP-00025	Ortho-phosphate (Dissolved) by Automated Ascorbic Acid Reduction Method (Modified SM 4500-P, A and F) - Soils and Waters Colorimetric Auto Color Ortho-phosphate
AB SOP-00030	PSA by Hydrometer - Texture (Sand, Silt, Clay and gravel) Analysis (Modified SSMA 55.3) Hydrometer % clay % gravel % sand % Silt
AB SOP-00033	Preparation of Saturation and Water-Soil Ratio Samples [Modified from SSMA Method 15.2] Gravimetric % Saturation
*AB SOP-00039	Extraction and Analysis of BTEX/F1 and select Volatiles by HS/GC/MS/FID Water, Soil and Oil (BTEX: Modified EPA 8260D, GC/MS – HEADSPACE) (F1/PHC: Modified CCME Petroleum Hydrocarbons - Tier 1 Method and EPA5021A) – Soils and Waters (BTEX TCLP: EPA 1311) GC/MS - HEADSPACE 1,2,4-Trimethyl Benzene Benzene C5-C10 Ethylbenzene F1: C6-C10 Hexane m/p-xylene Methyl tert-butyl ether (MTBE) o-xylene Styrene Toluene *1,2-dichloroethane (soils only) *Naphthalene (soils only)
*AB SOP-00040	Analysis of Extractable Hydrocarbons in Water and Soils by GC/FID (Modified Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil – Tier 1 Method) Modified EPA 1617)- Sheen C6-C50 Hydrocarbons F2 (C10-C16 Hydrocarbons) F3 (C16-C34 Hydrocarbons) F3A (C16-C22 Hydrocarbons)

	F3B (C22-C34 Hydrocarbons) Reached Baseline at C50 Total Extractables C10 to C30 Total Extractables C23 to C60 Total Petroleum Hydrocarbon		F4 (C34-C50 Hydrocarbons) F4G-SG (Heavy Hydrocarbons-Grav) Total Extractables C11 to C22 F4 HTG (>C34 – High Temp GC) Visible Sheen	
AB SOP-00042	Metals on Liquids and Solids by ICPOES (Modified EPA 6010 D) - Soils and Waters ICP/OES			
	Aluminum	Barium	Boron	Calcium
	Chromium	Iron	Lithium	Magnesium
	Manganese	Phosphorus	Potassium	Silicon
	Sodium	Strontium	Sulfur	
*AB SOP-00043	Metals Analysis on Soils and Waters Using ICPMS (Modified EPA 6020 B) - Soils and Waters [TCLP: EPA 1311] ICP/MS			
	Aluminum	Antimony	Arsenic	Barium
	Beryllium	Bismuth	Boron	Cadmium
	Calcium	Chromium	Cobalt	Copper
	Iron	Lead	Lithium	Magnesium
	Manganese	Mercury (Soils only)		Molybdenum
	Nickel	Phosphorus	Potassium	Selenium
	Silicon	Silver	Sodium	Strontium
	Sulphur	Tellurium	Thallium	Tin
	Titanium	Tungsten	Uranium	Vanadium
	Zinc	Zirconium		
AB SOP-00049	Particle Size Distribution by Hydrometer (Modified ASTM D7928) Hydrometer Particle Size Distribution			
AB SOP-00050	Dry Bulk Density and Wet Bulk Density 9Modified McKeague and MSSMA Section 2.21) Gravimetric Bulk Density			
AB SOP-00052	Bromide by Ion Chromatography - UV Detection (Modified from SM 4110 B) – Soils and Waters Ion Chromatography/UV Detector Bromide			
AB SOP-00056	Preparation and Analysis VOC -Water and Soil by HS/GC/MS (Modified from EPA8260D and EPA5021A) (VOC TCLP: EPA 1311) - Soils and Waters GC/MS (Headspace)			

	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
	1,1-Dichloroethane	1,1-dichloroethylene
	1,2 dibromoethane	1,2,3-Trichlorobenzene
	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene
	1,2-dichlorobenzene	1,2-dichloroethane
	1,2-Dichloropropane	1,3,5 Trichlorobenzene
	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene
	1,4-dichlorobenzene	Benzene
	Bromodichloromethane	Bromoform
	Bromomethane	Carbon Tetrachloride
	Chlorobenzene	Dibromochloromethane
	Chloroethane	Chloroform
	Chloromethane	cis-1,2-Dichloroethylene
	cis-1,3-Dichloropropene	Dichloromethane
	Ethylbenzene	m/p-xylene
	Methyl methacrylate	Methyl t-butyl ether
	o-xylene	Styrene
	Tetrachloroethylene	Toluene
	trans-1,2-Dichloroethylene	trans-1,3-Dichloropropene
	Trichloroethylene	Trichlorofluoromethane
	Vinyl Chloride	
AB SOP-00063	Hexavalent Chromium by Discrete Autoanalyzer (Modified SM 3500-Cr B and EPA 3060) – Soil and Water Colorimetric Hexavalent Chromium	
AB SOP-00067	Elemental Sulfur (Modified Canadian Journal of Soil Science, 65, Pages 811-813, 1985) Colour-Extraction Elemental Sulphur	
AB SOP-00080	Sulphide, Low level Sulfide (Modified SM 4500-S2D, A, F) – Soil and Water Colorimetric Sulphide	
AB SOP-00088	Phenol Phenolics-Automated 4--Aminoantipyrine Colorimetry (Modified SSMA Chapter 40 & EPA 9066) – Soil and Water Colorimetric – Distillation Extraction Total Phenolics excluding para substituted phenols where the substitution is alkyl, aryl, nitro, benzoyl, nitroso, or aldehyde group	
AB SOP-00091	NO_2 and TON by Gallery Plus (Modified SM 4500-NO3-H and 4500-NO2) – Soil and Water Nitrite Total Oxidized Nitrogen (TON)	

AB SOP-00093	Total Nitrogen by Discrete Autoanalyzer (Modified SM 4500-N C) – Soil and Water Colorimetric Total Nitrogen (water) Total Nitrogen (Dissolved, water) Total Nitrogen (Soluble, soil) Total Nitrogen (Available, soil)
CAL SOP-00032	Spontaneous combustion (Self Heating) (Modified Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria. Sixth Revised edition. United Nations.2015 sections 33.3.1.3 and 33.3.1.6) Combustion Spontaneous Combustion
CAL SOP-00040	Bromate, Chlorate, and Chlorite by IC – Conductivity detection (Modified SM 4110 D) – Soil and Water Ion Chromatography Bromate (Waters only) Chlorate Chlorite
CAL SOP-00054	Ethanolamines and DIPA by reversed-phase chromatography (amperometry) (Modified IC US6-0193-062014) – Soil and Water Diethanolamine (DEA) Methyldiethanolamine (MDEA) Monoethanolamine (MEA) Diisopropanolamine (DIPA)
CAL SOP-00093	Preparation and Analysis of Glycols and Sulfolane in Water, Soil and oil by GC-FID (Modified from EPA 8015D) – Soils Waters and Oil GC/FID – Extraction Diethylene Glycol — Ethylene Glycol Propylene Glycol — Sulfolane Tetraethylene Glycol — Triethylene Glycol
CAL SOP-00094	Herbicides (Modified EPA 8151A and EPA 8270E) – Soils and Waters GC/MS – Extraction 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) 2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP) 2,4-Dichlorophenoxyacetic acid (2,4-D) 2,4-Dichlorophenoxybutyric acid (2,4-DB) 3,5-Dichlorobenzoic Acid Bentazon — Bromoxynil Chloramben — Dicamba Dichlorprop — Diclofop-methyl Dinoseb (DNBP) — MCPA

	MCPP Pentachlorophenol Picloram
CAL SOP-00096	Extraction and Analysis of OG and TPH in Water and Soil by FTIR (Modified SM 5520 C m) – Soils and Waters IR – Extraction Oil and Grease Total Petroleum Hydrocarbons
CAL SOP-00104	Preparation and Analysis of Extended VOC in Water and Soils by HS/GC/MS (Modified EPA 8260D, EPA 5021A &VOC TCLP: EPA 1311) – Soils and Waters GC/MS – HS/Extraction 1,2,3-trichloropropane 1,1-dichloropropene 1,2-dibromo-3-chloropropane 1,3-dichloropropane 2,2-dichloropropane 2-butanone (MEK) 2-chlorotoluene 2-hexanone 2-nitropropane 4-chlorotoluene 4-methyl-2-pentanone (MIBK) Acetone Acetonitrile Acrolein Acrylonitrile Bromobenzene Bromochloromethane Carbon disulphide Cyclohexane Cyclohexanone Dibromomethane Dichlorodifluoromethane Dicyclopentadiene Ethyl acetate Ethyl ether Ethyl methacrylate Hexachlorobutadiene Hexane Iodomethane Isopropylbenezene Naphthalene n-Butylbenzene Nitrobenzene n-Propylbenzene p-Isopropyltoluene sec-Butylbenzene tert-Butylbenezene
CAL SOP-00149	Polychlorinated Biphenyls (PCB) (Modified EPA 8082A) – Soils, Waters and Oil GC/ECD – Extraction Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268 Total PCB
CAL SOP-00164	Semi Volatile Phenols (Modified EPA 8270E) – Soils and Waters GC/MS – Extraction 2,3,4,5-tetrachlorophenol 2,3,4,6-tetrachlorophenol 2,3,4-trichlorophenol 2,3,5,6-tetrachlorophenol 2,3,5-trichlorophenol 2,3,6-trichlorophenol 2,3-dichlorophenol 2,4,5-trichlorophenol

	2,4,6-trichlorophenol	2,4-dichlorophenol
	2,4-dimethylphenol	2,4-dinitrophenol
	2,5-dichlorophenol	2,6- dimethylphenol
	2,6-dichlorophenol	2-chlorophenol
	2-methylphenol	2-nitrophenol
	3&4-chlorophenol	3&4-methylphenol
	3,4,5-trichlorophenol	3,4-dichlorophenol
	3,4-dimethylphenol	3,5-dichlorophenol
	4,6-dinitro-2-methylphenol	4-chloro-3-methylphenol
	4-nitrophenol	Pentachlorophenol
	Phenol	
CAL SOP-00184	Aliphatic and Aromatic fractionation and analysis for >C10-C50 PHC (Modified from Atl RBCA m) – Soils and Waters GC/FID	
	>C10-C12 Aliphatic	>C10-C12 Aromatic
	>C12-C16 Aliphatic	>C12-C16 Aromatic
	>C16-C21 Aliphatic	>C16-C21 Aromatic
	>C21-C34 Aliphatic	>C21-C34 Aromatic
	>C34 Aliphatic (Up to C50)	>C34 Aromatic (Up to C50)
CAL SOP-00239	BC Extractable Petroleum Hydrocarbons in Water and Soil by GC/FID (Modified BCMOE EPH S 12/16) – Soils and Waters GC/FID EPH: C10-C19 EPH: C19-C32 TEH: C10-C30 (Water Only)	
*CAL SOP-00240	Fractionation for C6-C10 and BC method VPH by Headspace GC/FID/MS (Modified volatile HC in soils by GC/FID and EPA method 5021A, BC MELP VH; Atl. RBCA) – Soils and Waters GC/FID C6-C8 >C8-C10 C6-o-xylene Aromatic >C8-C10 *o*-xylene-C10	
CAL SOP-00243/CAL SOP-00263	Carbon, Organic Carbon and Sulphur in Soils and Mining Ores by Combustions (Modified LECO Corporation Form No. 203-821-498, 203-821-165 and No. 203-821-463, Total Organic Carbon (TOC/FOC) in soil/sediment by combustion (PBM)) Elemental Analysis of Soil by Elementar Vario Cube EL (Modified Vario El Cube No AN-A-030609) IR Combustion Carbon	

	Nitrogen (for Cube EL only) Organic Carbon Sulphur
CAL SOP-00250	Preparation and analysis of Alkylated PAH in soils and water (Modified SM 8270 E and ESTD-OR-20) – Soils and Waters GC/MS – Extraction 1-Methylnaphthalene — 2-Methylnaphthalene Acenaphthene — Acenaphthylene Acridine — Anthracene Benzo (a) anthracene — Benzo (a) pyrene Benzo (g,h,i) perylene — Benzo (k) fluoranthene Benzo (b&j) fluoranthene — Benzo(c)phenanthrene Benzo(e)pyrene — Biphenyl C1-Acenaphthene C1-Benzo(bjk)fluoranthene / Benzo[a]pyrene C1-Biphenyl — C1-Benzo(a) anthracene/ Chrysene C1-Dibenzothiopene — C2-Fluorene C2-Naphthalene — C2-Phenanthrene/ anthracene C2- Fluoranthene / Pyrene — C3-Benzo(a)anthracene / Chrysene C3-Dibenzothiophene — C3-Fluorene C3-Naphthalene — C3-Phenanthrene/ anthracene C3- Fluoranthene / Pyrene — C4- Benzo(a)anthracene / Chrysene C4-Dibenzothiophene — C4-Naphthalene C4-Phenanthrene/ anthracene — Chrysene Dibenzo (a,h) anthracene — Dibenzothiophene Fluoranthene — Fluorene Indeno (1,2,3 - cd) pyrene — Indeno (1,2,3-cd) fluoranthene Naphthalene — Perylene Phenanthrene — Pyrene Quinoline — Retene
CAL SOP-00251	Extraction and analysis of low level Sulfolane in water and soil by GCMS (Modified EPA 8270E) GC/MSD – Extraction Sulfolane
CAL SOP-00264	Preparation and Analysis of Alcohol/Solvents (Water, soil, oil) by GCFID (Modified EPA 8015D) – Soils and Waters GC/FID – Extraction 2-Methylphenol — 3- Methylphenol 4- Methylphenol — Acetone (2-propanone) Ethanol — Isobutanol Isopropanol — ***** Methanol n-butanol — Pyridine

CAL SOP-00270	Determination of cyanide by automated colourimetry (Modified SM 4500-CN-,O, Skalar Method Catnr. I291-301) – Soil and Water Colorimetric- Distillation Cyanide SAD Cyanide WAD Free Cyanide (Waters only)
CAL SOP-00275	Extraction and Analysis of Hydroxyphenols in Water and Soil by GCMS (Modified BC MOE Laboratory Manual and EPA SW 846 8270) – Water and Soil 2-Hydroxyphenol (Catechol) 3-Hydroxyphenol (Resorcinol) 4-Hydroxyphenol (Hydroquinone)
CAL SOP-00278	Extraction and Analysis of Pesticides in Soil and Water by GC/MS (Modified EPA SW-846 method 8270E, Method 3510C and Method 3540C) – Soil and Water Acephate (Soils only) 2,4'-Ddt+4,4'-Ddd 4,4'-Dde 4,4'-Ddt 4,4'-Methoxychlor A-Bhc A-Chlordane Alachlor Aldrin Aspon Atrazine Azinphos Ethyl Azinphos Methyl (Guthion) B-Bhc Benfluralin Bromacil Bromophos Bromophos-Ethyl Butylate Captan Carbophenothion Chlorbenside Chlorfenson(Ovex) Chlorfenvinphos (E) Chlorfenvinphos(E/Z) Chlormephos Chlorothalonil (Daconil) Chlorpropham Chlorpyrifos Chlorpyriphos-Methyl Chlorthiophos Cyanazine (Bladex) Cyanophos Dacthal D-Bhc Demeton Demeton-O Desethyl-Atrazine Desmetryn Diallate [Z] Diallate(E/Z) Diazinon Dichlobenil Dichlofenthion Dichlofluanid Dichloran Dichlorvox + Naled Diclofop-Methyl Dicofol Dicrotophos Dieldrin Dimethoate Dioxathion Diphenylamine Disulfoton (Di-Syston) Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Endrin Aldehyde Endrin Ketone Epn Eptam Ethalfluralin Ethion Fenitrothion

	Fensulfothion Folpet G-Chlordane Heptachlor Epoxide Hexazinone Iprodione Lindane (Bhc), Gamma Malathion Methamidophos (Soils only) Metolachlor Mevinphos (Phosdrin) Nitrofen O,P'-Dde Parathion Pentachloronitrobenzene Phorate (Thimet) Phosmet Phosphamidon (Z) Pirimiphos-Ethyl Procymidone Profluralin Pronamide Propiconazole Quinalophos Simazine Sulfotepp Terbufos Terbutryne Tolylfluanid Triallate Vinclozolin	Fenthion Fonofos Heptachlor Hexachlorobenzene Iodofenphos Isofenphos Malaoxon Metalaxyl Methidation Metribuzin (Sencor) Mirex O,P'-Ddd Omethoate Parathion Methyl Permethrin Phosalone Phosphamidon (E) Pirimicarb Pirimiphos-Methyl Profenophos Prometryn Propazine Pyrazophos Ronnel Stirophos Tecnazene Terbuthylazine Tetradifon Triadimefon Trifluralin
CAL SOP-00279	Total and Dissolved Organic Carbon by Combustion (Modified SM 5310A and B) – Soils and Waters Combustion Organic Carbon	

Water (Microbiology)

AB SOP-00085	Determination of Iron Related and Sulfate Reducing Bacteria using BART™(Modified Dbi Env Tech Verification of the Irb Bart Tester for the Detection and Evaluation of Iron Bacteria in Water and Dbi Enviro Tech Verification of the Srb Bart Tester for the Detection and Verification of Sulphate Reducing Bacteria in Water) Iron Related Bacteria (IRB) Sulfate Reducing Bacteria (SRB)

AB SOP-00089	Total and Fecal Coliforms and E. Coli by defined substrate technique (Modified SM 9223 A, B) Most Probable Number (Colilert) *Escherichia coli* (*E. coli*) Total Coliforms Fecal (Thermotolerant) Coliforms
CAL SOP-00012	Heterotrophic Plate Count (Modified SM 9215 A and E) Heterotrophic Plate Count (HPC)

Number of Listings: 84

Notes:

SM: Standard Methods for Examination of Water and Wastewater, American Public Health Association (APHA)

EPA: Environment Protection Agency

TCLP: toxicity characteristic leaching procedure

AB SOP: Internal test method (Alberta)

CAL SOP: Internal test method (Calgary)

CCME: Canadian Council of Ministers of the Environment

* These test methods can be performed on-site as per RG-Lab.

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