

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: **Bureau Veritas**

Location Name or Operating as (if applicable): Calgary Laboratory

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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: | Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET) |
| Initial Accreditation: | 2016-08-30 |
| Most Recent Accreditation: | 2022-10-03 |
| Accreditation Valid to: | 2024-08-30 |

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, Accredited Laboratory No. 160

151039 - Bureau Veritas - Unit D, 675 Berry St., Winnipeg, MB, R3H 1A7, Accredited Laboratory No. 837

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

Food testing: #112, 3442-118 Ave S.E. Calgary, AB T2Z 3X1.

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

(Microbiology)

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| Assurance GDS® MPX Top 7 STEC Assay | BioControl Assurance GDS® MPX Top 7 STEC |
| MFHPB-10 | Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples |
| MFHPB-18 | Determination of Aerobic Colony Counts in Foods |
| MFHPB-20 | Isolation and Identification of <i>Salmonella</i> from Food and Environmental Samples |
| MFHPB-22 | Enumeration of Yeast and Moulds in Foods |
| MFHPB-30 | Isolation of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. from foods and environmental samples |
| MFHPB-33 | Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates |
| MFHPB-34 | Enumeration of <i>Escherichia coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Count Plates |
| MFLP-09 | Enumeration of <i>Enterobacteriaceae</i> species in Food and Environmental Samples Using 3M™ Petrifilm™ <i>Enterobacteriaceae</i> Count Plates |
| MFLP-16 | Detection of <i>Escherichia coli</i> O157:H7 in foods - Assurance GDS® for <i>E. coli</i> O157:H7 Tq Gene Detection System |
| MFLP-21 | Enumeration of <i>Staphylococcus aureus</i> in Foods and Environmental Samples Using 3M™ Petrifilm™ <i>Staph. Express Count (STX)</i> Plates |
| MFLP-28 | The Qualicon Bax® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food. |
| MFLP-29 | The BAX® System Method for the detection of <i>Salmonella</i> in foods and environmental surface samples. |
| MFLP-30 | Detection of <i>Escherichia coli</i> O157:H7 in Select Foods using the BAX® System <i>E. coli</i> O157:H7 MP. |

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| MFLP-36 | Detection of <i>Salmonella</i> in Foods and Environmental Surface Samples-Assurance GDS® for <i>Salmonella</i> Tq Genetic Detection System |
| MFLP-54 | Detection of <i>Listeria monocytogenes</i> from selected foods using iQ-Check™ <i>Listeria monocytogenes</i> Real-Time PCR Test Kit |
| MFLP-74 | Enumeration of <i>Listeria monocytogenes</i> in foods |
| MFLP-79 | Detection of <i>Listeria</i> spp. in Environmental Surface Samples using the BAX® System Real-Time PCR Assay for <i>Listeria</i> genus |
| MLG4 | Isolation and Identification of <i>Salmonella</i> from Meat, Poultry, Pasteurized Egg and Siluriformes (fish) Products and Carcass and environmental sponges |
| MLG41 | Isolation and Identification of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse, Sponge and Raw Product Samples |

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental:

Soil/Solid/Waste

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

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| AB SOP-00011 | Silica (Reactive) by Konelab - 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 (Modified SM 5210 B) D.O. Meter BOD (5 day) CBOD (5 day) |
| 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-00032 | The Determination of Residual Chlorine in Waters (Modified SM 4500 CL G) |

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| | 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 Waters, Leachates 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 |

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| | Total Petroleum Hydrocarbons (TPH) |
| CAL SOP-00040 | Bromate, Chlorate, and Chlorite by IC – Conductivity detection (Modified SM 4110 D) Ion Chromatography Bromate Chlorate Chlorite |
| CAL SOP-00049 | Color by Konelab (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 |

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| 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 Docosanoic 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 Palustric Acid Pimaric Acid Sandaracopimaric Acid Tetradecanoic Acid (C14) Undecanoic Acid (C11) Total of Resin Acids Total of Fatty Acids |
| CAL SOP-00273 | Determination of Chlorophyll and Pheophytin (Modified SM 23 10200 H) Chlorophyll A Chlorophyll B Chlorophyll C Pheophytin |

Emissions (Air)

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| EMS SOP-00009 | Sorbent traps for the determination of Mercury Emissions (Field) (Modified US EPA Method 30B) Spectrometer - Atomic Absorption Detector Mercury (Hg) |
| EMS SOP-00110 | Anions-Water (Modified Methods Manual for Chemical Analysis of Atmospheric Pollutants method 52121) Ion Chromatography - Conductivity Detector Chloride Fluoride Nitrate Sulfate |
| EMS SOP-00111 | Ammonia – Water (Modified Methods Manual for Chemical Analysis of Atmospheric Pollutants method 52626) Ion Chromatography - Conductivity Detector Ammonia |

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| EMS SOP-00112 | <p>Fixed Gases - Air (Modified Method 3, Alberta Stack Sampling Code, 1995, Publication Number: REF.89 and EPA 3C)</p> <p>GC/TCD CO CO₂ N₂ O₂</p> |
| EMS SOP-00113 | <p>Formaldehyde – Water (Modified from Methods Manual for Chemical Analysis of Atmospheric Pollutants, method 12525) Colorimetric Formaldehyde</p> |
| EMS SOP-00114 | <p>Hydrocarbons – Air (Modified AENV18) GC/FID Total Hydrocarbons as Methane</p> |
| EMS SOP-00115 | <p>Total Particulates - Air Filter (Modified method 5, Determination of Particulate Emissions from Stationary Sources, Alberta Stack Sampling Code, 1995, Publication Number: REF.89) Gravimetric Particulates</p> |
| EMS SOP-00116 | <p>Total/Trace Reduced Sulfur - Air (Field) (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</p> |
| EMS SOP-00122 | <p>Chlorine and Chlorine Dioxide – Air (Field) (Modified Alberta Environment Stack Code, 1995, Publication Number REF 89) Iodometric Determination Chlorine Chlorine Dioxide</p> |

Soil/Solid

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| *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, EPA 3540C, EPA 8270E) - Soils and water 1-Methylnaphthalene 2-Methylnaphthalene Acenaphthene Acenaphthylene Acridine Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b, j) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Benzo(c)phenanthrene Benzo(e)pyrene Chrysene Dibenzo (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3 - cd) pyrene Naphthalene Perylene Phenanthrene Pyrene Quinoline |
| *AB SOP-00004 | Determination of Electrical Conductivity by Manual Meter (Modified SM 2510B) - Soils and waters Conductivity Meter (Manual) 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 by Manual Meter and PC-Titrate (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 |

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| AB SOP-00008 | TKN by Konelab (Modified EPA 351.1, EPA 351.2) – Soils and Waters Colorimetric Total Kjeldahl Nitrogen |
| AB SOP-00012 | Total Organic Carbon and Organic Matter in Soil (Modified Methods Manual for Soil and Plant Analysis) Reflux – Titrimetric Organic Matter – Calculation Total Organic Carbon |
| 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-00023 | Nitrite and Nitrate by Ion Chromatography (Modified SM 4110 B) – Soil and Waters Ion Chromatography Nitrate Nitrite |
| 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-00026 | Chloride and Sulphate by Ion Chromatography (Modified SM 4110B] – Soils and Waters Ion Chromatography Chloride Sulfate |
| AB SOP-00030 | PSA by Hydrometer - Texture (Sand, Silt, Clay and gravel) Analysis (Modified SSMA 55.3) Hydrometer % clay % sand % gravel % Silt |

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| *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 |
| *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) F4 (C34-C50 Hydrocarbons) Reached Baseline at C50 F4G-SG (Heavy Hydrocarbons- Grav) Total Extractables C10 to C30 Total Extractables C11 to C22 Total Extractables C23 to C60 F4 HTG (>C34 – High Temp GC) Total Petroleum Hydrocarbon 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 (Soils and Leachates) Beryllium Bismuth Boron Cadmium |

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| | <p>Calcium Chromium Cobalt Copper</p> <p>Iron Lead Lithium Magnesium</p> <p>Manganese Mercury Molybdenum Nickel</p> <p> Potassium Selenium Silicon</p> <p>Silver Sodium Strontium Sulphur</p> <p>Tellurium Thallium Tin Titanium</p> <p>Tungsten Uranium Vanadium Zinc</p> <p>Zirconium</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB SOP-00049 | <p>Particle Size Distribution by Hydrometer (Modified ASTM D7928) Hydrometer Particle Size Distribution</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB SOP-00050 | <p>Dry Bulk Density and Wet Bulk Density (Modified McKeague and MSSMA Section 2.21) Gravimetric Bulk Density</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB SOP-00052 | <p>Bromide by Ion Chromatography - UV Detection (Modified from SM 4110 B) – Soils and Waters Ion Chromatography/UV Detector Bromide</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB SOP-00056 | <p>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)</p> <table border="0"> <tr> <td>1,1,1,2-Tetrachloroethane</td> <td>1,1,1-Trichloroethane</td> </tr> <tr> <td>1,1,2,2-Tetrachloroethane</td> <td>1,1,2-Trichloroethane</td> </tr> <tr> <td>1,1-Dichloroethane</td> <td>1,1-dichloroethylene</td> </tr> <tr> <td>1,2 dibromoethane</td> <td>1,2,3-Trichlorobenzene</td> </tr> <tr> <td>1,2,4-Trichlorobenzene</td> <td>1,2,4-Trimethylbenzene</td> </tr> <tr> <td>1,2-dichlorobenzene</td> <td>1,2-dichloroethane</td> </tr> <tr> <td>1,2-Dichloropropane</td> <td>1,3,5 Trichlorobenzene</td> </tr> <tr> <td>1,3,5-Trimethylbenzene</td> <td>1,3-Dichlorobenzene</td> </tr> <tr> <td>1,4-dichlorobenzene</td> <td>Benzene</td> </tr> <tr> <td>Bromodichloromethane</td> <td>Bromoform</td> </tr> <tr> <td>Bromomethane</td> <td>Carbon Tetrachloride</td> </tr> <tr> <td>Chlorobenzene</td> <td>Dibromochloromethane</td> </tr> <tr> <td>Chloroethane</td> <td>Chloroform</td> </tr> <tr> <td>Chloromethane</td> <td>cis-1,2-Dichloroethylene</td> </tr> <tr> <td>cis-1,3-Dichloropropene</td> <td>Dichloromethane</td> </tr> <tr> <td>Ethylbenzene</td> <td>m/p-xylene</td> </tr> <tr> <td>Methyl methacrylate</td> <td>Methyl t-butyl ether</td> </tr> <tr> <td>o-xylene</td> <td>Styrene</td> </tr> </table> | 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 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | <p>Tetrachloroethylene trans-1,2-Dichloroethylene Trichloroethylene Vinyl Chloride</p> <p>Toluene trans-1,3-Dichloropropene Trichlorofluoromethane</p> |
| AB SOP-00062 | <p>Flashpoint by Small Scale Closed Cup Tester (SetaFlash) (Modified ASTM D3828) Seta Flash Closed Cup Flashpoint</p> |
| AB SOP-00063 | <p>Hexavalent Chromium by Konelab (Modified SM 3500-Cr B and EPA 3060) – Soil and Water Colorimetric Hexavalent Chromium</p> |
| AB SOP-00067 | <p>Elemental Sulfur (Modified Canadian Journal of Soil Science, 65, Pages 811-813, 1985) Colour-Extraction Elemental Sulphur</p> |
| *AB SOP-00076 | <p>BTEX/F1 in Water and Soil by GC Headspace PID/FID - On-Site Testing (BTEX: Modified EPA 8021B] – GC/PID - Headspace (F1: CCME Hydrocarbons Tier 1, BCMOE Section D, BCMELP] - GC/FID – Headspace)</p> <p>Benzene Ethylbenzene m/p-xylene O-xylene-C10 Toluene</p> <p>C6 o-xylene F1:C6-C10 o-xylene Styrene Total C6-C10</p> |
| AB SOP-00080 | <p>Sulphide, Low level Sulfide (Modified SM 4500-S2D, A, F) – Soil and Water Colorimetric Sulphide</p> |
| AB SOP-00088 | <p>Phenol Phenolics-Automated 4--Aminoantipyrine Colorimetry (Modified SSMA Chapter 40 & EPA 9066) - Water Colorimetric – Distillation Extraction Phenol</p> |
| AB SOP-00091 | <p>NO₂ and TON by Gallery Plus (Modified SM 4500-NO3-H and 4500-NO2) Nitrite Total Oxidized Nitrogen (TON)</p> |
| AB SOP-00093 | <p>Total Nitrogen by Konelab (Modified SM 4500-N C) – Soil and Water Colorimetric Total Nitrogen (water) Total Nitrogen (Dissolved, water)</p> |

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| | 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-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 23 5520 C m) – Soils and Waters IR – Extraction Oil and Grease Total Petroleum Hydrocarbons |

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| <p>CAL SOP-00104</p> | <p>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-dichloropropane 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 Isopropylbenzene Naphthalene n-Butylbenzene Nitrobenzene n-Propylbenzene p-Isopropyltoluene sec-Butylbenzene tert-Butylbenzene</p> |
| <p>CAL SOP-00149</p> | <p>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</p> |
| <p>CAL SOP-00164</p> | <p>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</p> |

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| | 3,4-dimethylphenol 4,6-dinitro-2-methylphenol 4-nitrophenol Phenol | 3,5-dichlorophenol 4-chloro-3-methylphenol Pentachlorophenol |
| 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 >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C34 Aliphatic >C34 Aliphatic (Up to C50) | |
| | >C10-C12 Aromatic >C12-C16 Aromatic >C16-C21 Aromatic >C21-C34 Aromatic >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 Benzene C6-o-xylene Ethylbenzene o-xylene Styrene m&p-xylene | |
| | C6-C8 C8-C10 aromatic Methyl-ter-butylether o-xylene-C10 Toluene | |
| CAL SOP-00243/CAL SOP-00263 | Carbon, Organic Carbon, Nitrogen and Sulphur in Solids by LECO TruMac Elemental Analysis of Soil by Elementar Vario Cube EL (Modified LECO Corporation Form No. 203-821-498, 203-821-165 and Vario El Cube No AN-A-030609, Total Organic Carbon (TOC/FOC) in soil/sediment by combustion (PBM)) IR Combustion Carbon Nitrogen Organic Carbon Sulphur | |

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| <p>CAL SOP-00250</p> | <p>Preparation and analysis of Alkylated PAH in soils and water (Modified SM 8270 E and ESTD-OR-20) – Soils and Waters GC/MS – Extraction</p> <table border="0"> <tr> <td>1-Methylnaphthalene</td> <td>2-Methylnaphthalene</td> </tr> <tr> <td>Acenaphthene</td> <td>Acenaphthylene</td> </tr> <tr> <td>Acridine</td> <td>Anthracene</td> </tr> <tr> <td>Benzo (a) anthracene</td> <td>Benzo (a) pyrene</td> </tr> <tr> <td>Benzo (g,h,i) perylene</td> <td>Benzo (k) fluoranthene</td> </tr> <tr> <td>Benzo (b&j) fluoranthene</td> <td>Benzo(c)phenanthrene</td> </tr> <tr> <td>Benzo(e)pyrene</td> <td>Biphenyl</td> </tr> <tr> <td>C1-Acenaphthene</td> <td></td> </tr> <tr> <td>C1-Benzo(bjk)fluoranthene / Benzo[a]pyrene</td> <td></td> </tr> <tr> <td>C1-Biphenyl</td> <td>C1-Benzo(a) anthracene/</td> </tr> <tr> <td>Chrysene</td> <td></td> </tr> <tr> <td>C1-Dibenzothiophene</td> <td>C2-Fluorene</td> </tr> <tr> <td>C2-Naphthalene</td> <td>C2-Phenanthrene/ anthracene</td> </tr> <tr> <td>C2- Fluoranthene / Pyrene</td> <td>C3-Benzo(a)anthracene /</td> </tr> <tr> <td>Chrysene</td> <td></td> </tr> <tr> <td>C3-Dibenzothiophene</td> <td>C3-Fluorene</td> </tr> <tr> <td>C3-Naphthalene</td> <td>C3-Phenanthrene/ anthracene</td> </tr> <tr> <td>C3- Fluoranthene / Pyrene</td> <td>C4- Benzo(a)anthracene /</td> </tr> <tr> <td>Chrysene</td> <td></td> </tr> <tr> <td>C4-Dibenzothiophene</td> <td>C4-Naphthalene</td> </tr> <tr> <td>C4-Phenanthrene/ anthracene</td> <td>Chrysene</td> </tr> <tr> <td>Dibenzo (a,h) anthracene</td> <td>Dibenzothiophene</td> </tr> <tr> <td>Fluoranthene</td> <td>Fluorene</td> </tr> <tr> <td>Indeno (1,2,3 - cd) pyrene</td> <td>Indeno (1,2,3-cd) fluoranthene</td> </tr> <tr> <td>Naphthalene</td> <td>Perylene</td> </tr> <tr> <td>Phenanthrene</td> <td>Pyrene</td> </tr> <tr> <td>Quinoline</td> <td>Retene</td> </tr> </table> | 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-Dibenzothiophene | 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 |
| 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-Dibenzothiophene | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00251</p> | <p>Extraction and analysis of low level Sulfolane in water and soil by GCMS (Modified EPA 8270E) GC/MSD – Extraction Sulfolane</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00264</p> | <p>Preparation and Analysis of Alcohol/Solvents (Water, soil, oil) by GCFID (Modified EPA 8015D) – Soils and Waters GC/FID – Extraction</p> <table border="0"> <tr> <td>2-Methylphenol</td> <td>3- Methylphenol</td> </tr> <tr> <td>4- Methylphenol</td> <td>Acetone (2-propanone)</td> </tr> <tr> <td>Ethanol</td> <td>Isobutanol</td> </tr> <tr> <td>Isopropanol</td> <td>* Methanol</td> </tr> <tr> <td>n-butanol</td> <td>Pyridine</td> </tr> </table> | 2-Methylphenol | 3- Methylphenol | 4- Methylphenol | Acetone (2-propanone) | Ethanol | Isobutanol | Isopropanol | * Methanol | n-butanol | Pyridine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2-Methylphenol | 3- Methylphenol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4- Methylphenol | Acetone (2-propanone) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ethanol | Isobutanol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isopropanol | * Methanol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| n-butanol | Pyridine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| <p>CAL SOP-00265</p> | <p>ICPMS Analysis for Low Level Metals (Modified EPA SW846 6020B) – Soils and Waters ICP/MS</p> <table border="0"> <tr> <td>Aluminum</td> <td>Antimony</td> <td>Arsenic</td> <td>Barium</td> </tr> <tr> <td>Beryllium</td> <td>Bismuth</td> <td>Boron</td> <td>Cadmium</td> </tr> <tr> <td>Calcium</td> <td>Cesium</td> <td>Chromium</td> <td>Cobalt</td> </tr> <tr> <td>Copper</td> <td>Iron</td> <td>Lanthanum</td> <td>Lead</td> </tr> <tr> <td>Lithium</td> <td>Magnesium</td> <td>Manganese</td> <td>Mercury</td> </tr> <tr> <td>Molybdenum</td> <td>Nickel</td> <td>Phosphorus</td> <td>Potassium</td> </tr> <tr> <td>Rubidium</td> <td>Selenium</td> <td>Silicon</td> <td>Silver</td> </tr> <tr> <td>Sodium</td> <td>Strontium</td> <td>Sulphur</td> <td>Tellurium</td> </tr> <tr> <td>Thallium</td> <td>Thorium</td> <td>Tin</td> <td>Titanium</td> </tr> <tr> <td>Tungsten</td> <td>Uranium</td> <td>Vanadium</td> <td>Zinc</td> </tr> <tr> <td>Zirconium</td> <td></td> <td></td> <td></td> </tr> </table> | Aluminum | Antimony | Arsenic | Barium | Beryllium | Bismuth | Boron | Cadmium | Calcium | Cesium | Chromium | Cobalt | Copper | Iron | Lanthanum | Lead | Lithium | Magnesium | Manganese | Mercury | Molybdenum | Nickel | Phosphorus | Potassium | Rubidium | Selenium | Silicon | Silver | Sodium | Strontium | Sulphur | Tellurium | Thallium | Thorium | Tin | Titanium | Tungsten | Uranium | Vanadium | Zinc | Zirconium | | | |
| Aluminum | Antimony | Arsenic | Barium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beryllium | Bismuth | Boron | Cadmium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium | Cesium | Chromium | Cobalt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper | Iron | Lanthanum | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithium | Magnesium | Manganese | Mercury | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Molybdenum | Nickel | Phosphorus | Potassium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rubidium | Selenium | Silicon | Silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium | Strontium | Sulphur | Tellurium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thallium | Thorium | Tin | Titanium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tungsten | Uranium | Vanadium | Zinc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zirconium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00266</p> | <p>Determination of Free Cyanide (Modified EPA 9016) - Water Colorimetric- Distillation Free cyanide</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00270</p> | <p>Determination of cyanide by automated colourimetry (Modified SM 23 4500-CN-,O) – Soil and Water Colorimetric- Distillation Cyanide SAD Cyanide WAD</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00275</p> | <p>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)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CAL SOP-00278</p> | <p>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</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | <p> 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 Diallylate [Z] Diallylate(E/Z) Diazinon Dichlobenil Dichlofenthion Dichlofluanid Dichloran Dichlorvox + Naled Diclofop-Methyl Dicofol Dicrotophos Dieldrin Dimethoate Dioxathion Diphenylamine Disulfoton (Di-Syston) Endosulfan I Endosulfan li Endosulfan Sulfate Endrin </p> |
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| | <p> Endrin Aldehyde Endrin Ketone Epn Eptam Ethalfluralin Ethion Fenitrothion Fensulfothion Fenthion Folpet Fonofos G-Chlordane Heptachlor Heptachlor Epoxide Hexachlorobenzene Hexazinone Iodofenphos Iprodione Isofenphos Lindane (Bhc), Gamma- Malaoxon Malathion Metalaxyl Methamidophos (Soils only) Methidation Metolachlor Metribuzin (Sencor) Mevinphos (Phosdrin) Mirex Nitrofen O,P'-Ddd O,P'-Dde Omethoate Parathion Parathion Methyl Pentachloronitrobenzene Permethrin Phorate (Thimet) Phosalone Phosmet Phosphamidon (E) Phosphamidon (Z) Pirimicarb Pirimiphos-Ethyl Pirimiphos-Methyl Procymidone Profenophos Profluralin </p> |
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| | Prometryn Pronamide Propazine Propiconazole Pyrazophos Quinalophos Ronnel Simazine Stirophos Sulfotepp Tecnazene Terbufos Terbutylazine Terbutryne Tetradifon Tolyfluanid Triadimefon Triallate Trifluralin Vinclozolin |
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Water (Microbiology)

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| 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) <i>Escherichia coli (E. coli)</i> Total Coliforms Fecal (Thermotolerant) Coliforms |
| CAL SOP-00012 | Heterotrophic Plate Count – Pour Plate Method (Modified SM 9215 A, B) Pour Plate Heterotrophic Plate Count (HPC) |

Number of Scope Listings: 111

Notes:

ISO/IEC 17025:2017: General Requirements for the Competence of Testing and Calibration Laboratories

MFHPB: Microbiological Foods Health Protection Branch, Health Canada

MFLP: Microbiological Food Laboratory Procedure, Health Canada

MLG: Food Safety and Inspection Services Microbiology Laboratory Guidebook, U.S. Department of Agriculture

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.

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
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