

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Bureau Veritas Canada (2019) Inc

Location Name or Operating as (if applicable): Bureau Veritas (Mississauga)

Contact Name: Salima Haniff

Address: 6740 Campobello Road
Mississauga, Ontario
L5N 2L8

Telephone: 905 283 6600 ext. 706570

Fax: 905 817 5777

Website: www.bvna.com

Email: salima.haniff@bureauveritas.com

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| SCC File Number: | 15025 |
| 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) Environmental Testing (ET – OSDWA) Test Method Development and Non-routine Testing (TMDNRT) |
| Initial Accreditation: | 1992-10-06 |
| Most Recent Accreditation: | 2023-05-17 |
| Accreditation Valid to: | 2024-10-06 |

Food and Water Microbiology tests are performed at 6660 Campobello Road, Mississauga, ON L5N 2L9

Neutron Activation and Radiological analyses are conducted at 6790 Kitimat Road, Unit 4, Mississauga, Ontario L5N 5L9

Petroleum Refinery Products (including asphalt materials; petrochemicals; fuels and lubricants) are analyzed at the Bureau Veritas, PETROCHEMICAL LABORATORY, 4141 Sladeview Crescent Unit 10, Mississauga, ON.

OSDWA environmental testing is carried out under MOECC Licence 2312, 2314, 2315.

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.

- Bureau Veritas North America, Lake Zurich Laboratory, 95 Oakwood Rd., Lake Zurich, IL, 60047, Accredited Laboratory No. 876 (SCC File no.151068).

TEST METHOD DEVELOPMENT AND NON-ROUTINE TESTING

Note: The laboratory accredited under this PSA have demonstrated that it meets ISO/IEC 17025 requirements for non-routine testing under the following product classification.

Chemical Analyses

Activities under TMDNRT:

1. Development and validation of new testing methodology for the screening and determination of chemical compounds in food, water and environmental samples.
2. Development of testing methods for the assessment and validation of commercially available test kits for the screening and determination of mycotoxins, allergens and histamines in food, water and environmental samples.
3. Development and validation of mass spectral techniques in food, water and environmental samples.
4. Development and validation of new testing methodology for the screening and determination of potential contaminants in water and environmental samples.

Techniques under TMDNRT:

1. GC, GC-MS, Triple Quad GC/MS and HRGC-HRMS
2. ICP-OES and ICP-MS
3. FIA
4. HPLC and LC-MS-MS
5. ELISA
6. Ion Chromatography (IC)

Microbiology Analyses

Activities under TMDNRT:

Analysis of analytical methods for MPN in food borne pathogens; including but not limited to *Salmonella*, *Shigella*, *Listeria* species or *Listeria monocytogenes*, *E. coli* O157:H7, *Campylobacter* species or *Campylobacter jejuni*, *Vibrio* species or *Vibrio parahaemolyticus*, *Vibrio vulnificus*, *Vibrio cholera*, *Enterobacter sakazakii*.

Techniques under TMDNRT:

Enumeration of microorganisms by MNP techniques.

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

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| CAM SOP-00332 | Determination of Chlorinated Phenols (CPHs) in Soil, Water and Tissue Samples Using Selected Ion Monitoring (SIM) GCMS |
| CAM SOP 00408 | ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge |
| CAM SOP 00440 | Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA |
| CAM SOP 00447 | ICPMS Metals in Waters, Foods, Solids, NHP, Biota |
| CAM SOP 00453 | Mercury in Liquids, Soils, Swabs, Paint, Oil, NHP and Food by CVAA. |
| CAM SOP-00756 | Perchlorate in Food by LCMSMS |
| BRL SOP-00408 | PCB Congeners Analyses by HRGC/HRMS (modified EPA 1668A and 1668B) PCB Congeners (209 analytes) |
| BRL SOP-00410 | Dioxins/Furans in Water, Soil (EPA 1613), Food and Biota (modified EPA 1613) by HRGC HRMS |
| BRL SOP-00423 | PAH Compounds by HRGC/ HRMS /GCMSMS in Food Products, Sediment and Water (modified EPA 3540C, CARB 429) - For Food Products only |
| CAM SOP-00338 | Per- and Polyfluoroalkyl Substances (PFAS) in Food by LC/MS/MS |
| CAM SOP 00408 | ICP OES - Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge |
| CAM SOP 00413 | Measurement of pH in Water, Soils and Food Samples |
| CAM SOP 00423 | The Determination of Brookfield Viscosity in Food |
| CAM SOP 00700 | Determination of Cholesterol in Foods, Feeds and Oils by GC/FID |
| CAM SOP 00701 | Determination of Fat in Meat by Gravimetry |
| CAM SOP 00702 | Determination of Fatty Acids in Fats and Oils by GC/FID |
| CAM SOP 00703 | Determination of Sodium Chloride in Food and Feed Products by Titration |
| CAM SOP 00705 | Determination of Fat in Foods using Soxhlet Extraction |
| CAM SOP 00706 | Determination of Fat in Foods using Acid Hydrolysis |
| CAM SOP 00707 | Total Dietary Fibre Soluble Fibre and Insoluble Fibre in Foods by Gravimetry |
| CAM SOP 00708 | Determination of Sugars in Foods by Refractive Index |
| CAM SOP 00709 | Vitamin A and B-Carotene in Food by HPLC |
| CAM SOP 00710 | The Determination of Fat by the Modified Mojonnier Method in Milk, Cream, Milkshake Mix and Confectionary Products |
| CAM SOP 00711 | Determination of Protein in Foods, Feeds and Edible Oils by Combustion |
| CAM SOP 00712 | Vitamin E in foods, feeds, milk, and other dairy products by Capillary Gas Chromatography |
| CAM SOP 00713 | Determination of Ash in Food and Food Products by Gravimetry |
| CAM SOP 00714 | Determination of Acidity in Food and Food Products by Titration |
| CAM SOP 00715 | Determination of Moisture and Total Solids in Food and Food Products by Gravimetry |
| CAM SOP 00716 | Determination of Starch in Food by Spectrophotometry |
| CAM SOP 00717 | Determination of Peroxide Value of Oils and Fats by Titration |
| CAM SOP 00718 | Sulfites in Food and in Seafood by Gravimetry |
| CAM SOP 00719 | Determination of Vitamin D-3 (Cholecalciferol) in Food Products by HPLC |

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| CAM SOP 00720 | Determination of Free Fatty Acids in Foods |
| CAM SOP-00721 | Determination of Crude Fibre in Petfood and Feed |
| CAM SOP 00722 | The Determination of TBA Value in Foods by Spectrophotometry |
| CAM SOP 00724 | Determination of Vitamin C in Complex Foodstuffs Using HPLC with Electrochemical Detector (Modified QFCL-001-01) |
| CAM SOP 00732 | Determination of Water Activity in Food by Aqualab Water Activity Meter |
| CAM SOP 00734 | Allergens in Foods and Swabs, Mycotoxin in Food using ELISA |
| CAM SOP 00739 | Brix (Soluble Solids) in Foods, Juices and Honey by Refractometer |
| CAM SOP 00740 | Sorbic and Benzoic Acids by HPLC in Food and Beverages |
| CAM SOP 00750 | Determination of Total Foliates (Vitamin B9) in Foods by Microbiological Assay |
| CAM SOP 00751 | Determination of Niacin (Vitamin B3) in Food by Microbiological Assay |
| CAM SOP 00752 | Determination of Pantothenic Acid (Vitamin B5) in Food by Microbiological Assay |
| CAM SOP 00754 | Determination of Cobalamin (Vitamin B12) in Food by Microbiological Assay |
| CAM SOP 00755 | Determination of Pyridoxine (Vitamin B6) in Foods by Microbiology Assay |
| CAM SOP 00762 | Determination of Furans in Various Food Matrices by Headspace GC/MS Furan 2-Methylfuran 3-Methylfuran |
| CAM SOP 00874 | Analysis of Melamine and Cyanuric Acid in Food by LC/MS/MS |
| CAM SOP 00882 | Determination of Thiamine (Vitamin B1) in Foods by Fluorometry |
| CAM SOP 00884 | Determination of Riboflavin (Vitamin B2) in Foods by Fluorometry |
| CAM SOP 00885 | Analysis of Acrylamide in Food by LCMSMS |
| CAM SOP-00807 | Per- and Polyfluoroalkyl Substances (PFAS) in Biota by LC/MS/MS |
| CAM SOP-00901 | Determination of Ethanol in Food and Beverages by Headspace GCMS |
| CAM SOP-00926 | Determination of Amino Acids by HPLC |
| CAM SOP-00927 | Determination of Choline in Foods by Enzymatic Method |
| CAM SOP-00932 | Nitrite and Nitrate in Meat and Food Products by HPLC |
| CAM SOP-00964 | Biotin (Vitamin B7) in Food by Microbiological Assay |

(Microbiological)

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| AOAC 2014.05 | Enumeration of Yeast and Moulds in Food using 3M™ Petrifilm™ Rapid Yeast and Mold Count (RYM) Plate |
| AOAC 2013.02; AOAC PTM 081201 | Salmonella Species in a Variety of Foods and Environmental Surfaces BAX® System Real-Time PCR Assay |
| Assurance GDS® MPX Top7 STEC Assay | BioControl Assurance GDS® MPX Top 7 STEC |
| COR1SOP-00019 | Enumeration of Coliforms, Faecal Coliforms and <i>E. Coli</i> in foods using the MPN Method (Modified MFHPB-19; option of standard 3-tube and 10-tube MPN method) |

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| FDA BAM | Isolation and Identification of <i>Salmonella</i> in Food and Environmental Samples Following the FDA-BAM Method |
| MFHPB-10 | Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples |
| MFHPB-18 | Determination of the Aerobic Colony Count in Foods |
| MFHPB-19 | Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods by using the MPN Method |
| MFHPB-20 | Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples |
| MFHPB-21 | Enumeration of <i>Staphylococcus aureus</i> in Foods |
| MFHPB-22 | Enumeration of Yeasts and Molds in Foods |
| MFHPB-23 | Enumeration of <i>Clostridium perfringens</i> in Foods |
| MFHPB-29 | Detection of <i>Listeria</i> spp. in foods and environmental samples by the VIDAS <i>Listeria</i> ™ Method |
| MFHPB-30 | Isolation of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp from foods and environmental samples |
| MFHPB-31 | Determination of Coliforms in Foods Using Violet Red Bile Agar |
| MFHPB-33 | Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates |
| MFHPB-34 | Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Count Plates |
| MFHPB-35 | Enumeration of Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ Coliform 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™ Staph Express Count (STX) Plates |
| MFLP-25 | Isolation and Identification of <i>Shigella</i> spp. from Food |
| MFLP-27 | The Dupont Qualicon Bax® System Method for the Detection of <i>Enterobacter Sakazakii</i> in Selected Foods |
| MFLP-28 | The Qualicon Bax® System Method for the Detection of <i>Listeria Monocytogenes</i> in a Variety of Food |
| MFLP-29 | The Qualicon Bax® System Method for the Detection of <i>Salmonella</i> in Foods and Environmental Surface Samples |
| MFLP-30 | Detection of <i>E. coli</i> O157:H7 in select foods using the Bax® system <i>E. coli</i> O157:H7 MP |
| MFLP-33 | Detection of <i>Listeria monocytogenes</i> in foods by the VIDAS LMO 2™ method |
| MFLP-36 | Detection of <i>Salmonella</i> in Food and Environmental Surface Samples- Assurance GDS ® for Salmonella Tq Genetic Detection System |
| MFLP-37 | Part 1: Detection of <i>Halophilic Vibrio</i> Species in Seafood Part 2: Detection of <i>Vibrio Cholerae</i> |

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| MFLP-38 | Detection of <i>Salmonella</i> spp. from All Foods and Selected Environmental Surfaces using IQ-Check™ Salmonella Real-time PCR Test Kit |
| MFLP-39 | Detection of <i>Listeria</i> spp. from Environmental Surfaces and heat processed RTE Meat and Poultry Using iQ-Check™ <i>Listeria</i> spp. Real-Time PCR Test Kit |
| MFLP-42 | Isolation and Enumeration of <i>Bacillus cereus</i> group in Foods |
| MFLP-44 | Determination of Aerobic and Anaerobic sporeformers |
| MFLP-46 | Isolation of Thermophilic <i>Campylobacter</i> from Food |
| MFLP-49 | Detection of <i>Salmonella</i> spp. in Food Products and Environmental Surfaces by the VIDAS® UP Salmonella (SPT) Method |
| MFLP-54 | Detection of <i>Listeria monocytogenes</i> from selected foods using iQ-Check™ <i>Listeria monocytogenes</i> Real-Time PCR Test Kit |
| MFLP-59 | Detection of <i>Listeria</i> spp. in food products and environmental surface samples with VIDAS® UP Listeria (LPT) |
| MFLP-65 | Detection of <i>Staphylococcal enterotoxins</i> in food products using the Vidas® staph enterotoxin ii (set2), an elfa (enzyme linked fluorescent assay) technique |
| MFLP-74 | Enumeration of <i>Listeria monocytogenes</i> in Foods |
| MFLP-76 | The DuPont Qualicon BAX® System real time method for the detection of <i>E. coli</i> O157:H7 in raw beef trim and raw ground beef |
| MFLP-77 | Detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. in food products and environmental samples by the VIDAS® Listeria species Xpress (LSX) method |
| MFLP-79 | Detection of <i>Listeria</i> spp. in Environmental Surface Samples Using the BAX® System Real-Time PCR Assay for Listeria Genus |
| MFLP-86 | Identification of vt1 and vt2 genes from <i>Verotoxigenic Escherichia coli</i> by polymerase chain reaction |
| MFLP-101 | Detection of <i>Listeria</i> spp. in Environmental Surface Samples Using the 3M™ Molecular Detection System Test Kit Version 2 |
| MFLP-9 | Enumeration of <i>Enterobacteriaceae</i> Species in Food and Environmental Samples Using 3M™ Petrifilm™ Enterobacteriaceae Count Plates |
| MLG 4 | Isolation and Identification of <i>Salmonella</i> from Meat, Poultry, Pasteurized egg and Siluriformes (Fish) products and Carcass and Environmental Sponges |
| MLG41 | Isolation, Identification of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse and Sponge and Raw Product Samples |
| MLG5C | Detection, Isolation and Identification of Top Seven Shiga Toxin-Producing <i>Escherichia coli</i> (STECs) from Meat Products and Carcass and Environmental Sponges |

Beverages, Spirits and Vinegar

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| CAM SOP-00739 | Brix (Soluble Solids) in Foods, Juices and Honey by Refractometer |
| CAM SOP-00740 | Sorbic and Benzoic Acids by HPLC in Food and Beverages |

Dairy Products

See also Animal Tissue, Animal Derived Foods (Dairy, Honey, Eggs), Meat, Fish, Seafood, Fresh and Processed Fruit and Vegetables, Urine, Veal

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| CAM SOP-00736 | Determination of Undenatured Whey Protein Nitrogen in Non-Fat Dry Milk by Spectrophotometry |
| CAM SOP-00737 | Determination of Solubility Index by Volumetric Analysis |
| CAM SOP-00738 | Determination of Scorched Particles Using Water Disc Method |

Edible Fruits and Nuts

See Fresh and Processed Fruit and Vegetables

Edible Vegetables and Certain Roots and Tubers

See Fresh and Processed Fruit and Vegetables

Meat and Edible Meat Offal

See Animal Tissue, Animal Derived Foods (Dairy, Honey, Eggs), Meat, Fish, Seafood, Fresh and Processed Fruit and Vegetables, Urine, Veal

(Natural Health Products)

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| CAM SOP-00408 | Minerals by ICP in Natural Health Products Mg, Zn, Na, Ca, Cu, Fe, P, K, Mn, Mo, B, Ca, Cr, Se | | | |
| CAM SOP-00447 | Heavy Metals by ICPMS in Natural Health Products | | | |
| | Arsenic | Barium | Boron | Cadmium |
| | Calcium | Chromium | Cobalt | Copper |
| | Iron | Lead | Magnesium | Manganese |
| | Mercury | Nickel | Phosphorus | Potassium |
| | Rubidium | Sodium | Selenium | Strontium |
| | Uranium | Vanadium | Zinc | |
| CAM SOP-00453 | Mercury by Cold Vapour in Natural Health Products | | | |
| CAM SOP-00709 | Vitamin A by HPLC in Natural Health Products | | | |
| CAM SOP-00712 | Vitamin E in Natural Health Products | | | |
| CAM SOP-00719 | Vitamin D in Natural Health Products | | | |
| CAM SOP-00724 | Vitamin C in Natural Health Products | | | |
| CAM SOP-00750 | Vitamin B9 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00751 | Vitamin B3 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00752 | Vitamin B5 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00754 | Vitamin B12 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00755 | Vitamin B6 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00758 | Vitamin Bs by HPLC in Natural Health Products | | | |
| CAM SOP-00766 | Solvents by GC (FID detector) (VOC Class I and II) in Natural Health Products | | | |
| CAM SOP-00882 | Vitamin B1 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00884 | Vitamin B2 by Microbiological Assay in Natural Health Products | | | |
| CAM SOP-00926 | Amino Acids in Natural Health Products | | | |
| CAM SOP-00702 | Fatty Acids in Natural Health Products | | | |

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental:

Radio Chemistry (Soil, sediment, water, air, chemicals and chemical products, elastomers and protective coatings, medical products, non-metallic minerals and products, textiles and fibrous materials, wood products, foods and edible products)

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| BQL SOP-00001 | Neutron Activation Long Lived Isotopes of: Antimony Arsenic Barium Cerium Cesium Chromium Cobalt Europium Gold Hafnium Iron Lanthanum Lutetium Molybdenum Neodymium Nickel Rubidium Samarium Scandium Selenium Silver Sodium Tantalum Terbium Thorium Titanium Tungsten Uranium Ytterbium Zinc Zirconium |
| BQL SOP-00002 | Neutron Activation Platinum Group Elements with Nickel-Sulphide Fire Assay Pre-Concentration: Os Ir Pd Pt Rh Ru |
| BQL SOP-00004 | Neutron Activation Short-Lived Isotopes of: Aluminum Barium Bromine Calcium Chlorine Dysprosium Europium Fluorine Indium Iodine Magnesium Manganese Potassium Samarium Sodium Strontium Titanium Vanadium |
| BQL SOP-00005 | Delayed Neutron Counting for Uranium and U-235 |

Radio Chemistry (Soil, Sediment, Water, Air)

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| BQL SOP-00006 | Alpha Spectrometry Polonium-210 Radium-224 Radium-226 (OSDWA) Thorium-228 Thorium-230 Thorium-232 Uranium-234 Uranium-235 Uranium-238 |
| BQL SOP-00007 | Gamma Spectrometry Natural decay chain isotopes of: Th-234 Th-230 Ra-226 Pb-210 U-235 Th-227 Ra-223 Ac-228 Ra-228 (OSDWA) Rn-222 (OSDWA) Pb-212 Pb-214 Bi-214 Tl-208 Synthetic isotopes of: Cs-137 Cs-134 I-131 Zn-65 Co-60 Mn-54 Am-241 |

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| BQL SOP-00008 | Gas Flow Proportional Counting Gross Alpha Activity (OSDWA) Other radionuclides: Pb-210 (OSDWA) Sr-90 | Gross Beta Activity (OSDWA) Ra-228(OSDWA) |
| BQL SOP-00009 | Liquid Scintillation Counting Carbon-14 Tritium (OSDWA) | |
| BQL-SOP-00010 | Electret Ion Chamber Measurement for Radon-222 In: Air | |

(Chemistry - Soil, Sediment, Biota, Water, Air)

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|---------------|---|-------------------|-------------------|-----------------|
| BRL SOP-00103 | Metals by ICP/MS in Water, Soil, Air and Biota (Modified NIOSH 7300, 6009) | | | |
| | Antimony | Arsenic | Barium | Beryllium |
| | Bismuth | Boron | Cadmium | Calcium |
| | Chromium | Cobalt | Copper | Iron |
| | Lead | Lithium | Magnesium | Manganese |
| | Molybdenum | Nickel | Phosphorus | Potassium |
| | Selenium | Silicon | Silver | Sodium |
| | Strontium | Thallium | Tin | Titanium |
| | Tungsten | Vanadium | Zinc | Uranium |
| BRL SOP-00104 | Mercury by CVAAS in Water, Soil, Air and Biota Mercury (Hg) | | | |
| BRL SOP-00105 | Anions by IC in Water and Air | | | |
| | Bromide | Chloride | Fluoride | Nitrite |
| | Phosphate | Sulfate | | |
| BRL SOP-00106 | Hexavalent Chromium by IC in Air Chromium VI | | | |
| BRL SOP-00107 | Ammonia in Air by IC (Based on EPA CTM-027) Ammonia (as NH ₄ ⁺) | | | |
| BRL SOP-00108 | Anions from Emission Sampling Trains by IC (Modified EPA 26/26A, EPA SW846 9057) | | | |
| | Bromine | Chlorine | Fluorine | Hydrogen |
| | Bromide | Hydrogen Chloride | Hydrogen Fluoride | Hydrogen Iodide |
| | Iodine | | | |
| BRL SOP-00109 | Gravimetric Determination of PM Emission from Stationary Sources and Air Particulates of Filters, Gravimetric | | | |
| BRL SOP-00121 | Analysis of Dustfall Samples for Particulates and Metals For: Determination of total insoluble particulates, total insoluble metals and analysis of heavy metals (following CAM SOP-00447) on filters and filtrates by ICPMS | | | |
| | Aluminum | Antimony | Arsenic | Barium |
| | Beryllium | Bismuth | Boron | Cadmium |
| | Calcium | Chromium | Cobalt | Copper |

| | Iron | Lead | Magnesium | Manganese |
|---------------|---|----------|-------------------------------|-----------|
| | Molybdenum | Nickel | Potassium | Selenium |
| | Silver | Sodium | Strontium | Thallium |
| | Tin | Titanium | Uranium | Vanadium |
| | Zinc | | | |
| BRL SOP-00200 | Semivolatiles Full Scan by GCMS in Water, Soil and Stack Gas Samples (Modified EPA SW846 8270C, 3510C, 3540C, 3640A, 0010) Only air samples | | | |
| | 1,2,4-Trichlorobenzene | | 1,2-Dichlorobenzene | |
| | 1,3-Dichlorobenzene | | 1,4-Dichlorobenzene | |
| | 1-Chloronaphthalene | | 1-Methylnaphthalene | |
| | 2,3,4,5-Tetrachlorophenol | | 2,3,4,6-Tetrachlorophenol | |
| | 2,3,4-Trichlorophenol | | 2,3,5,6-Tetrachlorophenol | |
| | 2,3,5-Trichlorophenol | | 2,4,5-Trichlorophenol | |
| | 2,4,6-Trichlorophenol | | 2,4-Dichlorophenol | |
| | 2,4-Dimethylphenol | | 2,4-Dinitrophenol | |
| | 2,4-Dinitrotoluene | | 2,6-Dichlorophenol | |
| | 2,6-Dinitrotoluene | | 2-Chloronaphthalene | |
| | 2-Chlorophenol | | 2-Methylnaphthalene | |
| | 2-Methylphenol (o-Cresol) | | 2-Nitroaniline | |
| | 2-Nitrophenol | | 3,3'-Dichlorobenzidine | |
| | 3+4 Methylphenol (m+p-Cresol) | | 3-Nitroaniline | |
| | 4,6-Dinitro-2-methylphenol | | 4-Bromophenyl Phenyl Ether | |
| | 4-Chloro-3-Methylphenol | | 4-Chloroaniline | |
| | 4-Chlorophenyl Phenyl Ether | | 4-Nitroaniline | |
| | 4-Nitrophenol | | 5-Nitroacenphthene | |
| | Acenaphthene | | Acenaphthylene | |
| | Aniline | | Anthracene | |
| | Benzo (a) anthracene | | Benzo (a) pyrene | |
| | Benzo (b) fluoranthene | | Benzo (g,h,i) perylene | |
| | Benzo (k) fluoranthene | | Benzoic Acid | |
| | Benzyl Alcohol | | Benzyl Butyl Phthalate | |
| | Biphenyl | | Bis (2-chloroethoxy) Methane | |
| | Bis (2-chloroethyl) Ether | | Bis (2-chloroisopropyl) Ether | |
| | Bis (2-ethylhexyl) Phthalate | | Camphene | |
| | Carbozole | | Chrysene | |
| | Dibenzo (a,h) anthracene | | Dibenzofuran | |
| | Diethyl Phthalate | | Dimethyl Phthalate | |
| | Di-n-Butylphthalate | | Di-n-Octylphthalate | |
| | Diphenylether | | Fluoranthene | |
| | Fluorene | | Hexachlorobenzene | |
| | Hexachlorobutadiene | | Hexachlorocyclopentadiene | |
| | Hexachloroethane | | Indeno (1,2,3-cd) pyrene | |

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| | <p>Indole Naphthalene N-Nitrosodimethylamine (NDMA) N-Nitrosodiphenylamine Perylene Phenol</p> | <p>Isophorone Nitrobenzene N-Nitroso-di-N-Propylamine Pentachlorophenol Phenanthrene Pyrene</p> |
| BRL SOP-00201 | <p>PAHs by SIM GCMS in Water, Soil and Air (Modified CARB 429) Only air samples 2-Methylnaphthalene Acenaphthylene Benzo (a) anthracene Benzo (e) pyrene Benzo (k) fluoranthene Chrysene Fluoranthene Indeno (1,2,3 cd) pyrene Perylene Pyrene</p> | <p>Acenaphthene Anthracene Benzo (a) pyrene Benzo (g,h,i) perylene Benzo (b) fluoranthene Dibenzo (a,h) anthracene Fluorene Naphthalene Phenanthrene</p> |
| BRL SOP-00304 | <p>Volatiles in Summa Canisters by GCMS (Modified EPA TO-14A AND TO-15) 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2,3-Trimethylbenzene 1,2,4-Trimethylbenzene 1,2-Dichloroethane 1,3,5-Trimethylbenzene 1,3-Dichlorobenzene 1,4-Dioxane Butane 2-Hexanone 4-Ethyltoluene Acetone Benzene Bis (2-Chloroethyl) Ether Bromodichloromethane Bromomethane Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Decane Dibromomethane Ethanol</p> | <p>1,1,1,2-tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2,4-Trichlorobenzene 1,2-Dichlorobezene 1,2-Dichloropropane 1,3-Butadiene 1,4-Dichlorobenzene 2,2,4-Trimethylpentane 2-Butanone (MEK) 2-Propanol 4-Methyl-2-Pentanone Allyl Chloride Benzyl chloride Bromobenzene Bromoform Carbon Disulfide Chlorobenzene Chloroform cis-1,2-Dichloroethene Cyclohexane Dibromochloromethane Dichlorodifluoromethane Ethyl Acetate</p> |

| | | |
|---------------|--|--|
| | Ethyl acrylate Ethyl Bromide Halocarbon 113 Heptane Hexane Methyl Cyclohexane Methyl Tertbutyl Ether m-xylene Propene Styrene Tetrahydrofuran trans 1,2-Dichloroethene trans-1,2-Dichloropropene Trichlorofluoromethane Vinyl Bromide Xylenes (total) | Ethyl Benzene Ethylene Dibromide Halocarbon 114 Hexachlorobutadiene Isopropyl benzene (Cumene) Methyl Methacrylate Methylene Chloride o-xylene p-xylene Tetrachloroethene Toluene trans 1,3-Dichloropropene Trichloroethene Vinyl Acetate Vinyl Chloride |
| BRL SOP-00408 | PCB Congener (209 Analytes) by HRGC HRMS in Water, Soil and Air (Modified EPA 1668A/B/C) | |

(Chemistry - Air PCDD/PCDF)

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|---------------|--|--------------------------------------|
| BRL SOP-00404 | Dioxins and Furans by HRGC HRMS in Air Samples (Modified EPA 40CFR PART 60 APP. A METHOD 23/23A) | |
| | 1,2,3,4,6,7,8,9-C18-Dibenzofuran | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin |
| | 1,2,3,4,6,7,8-C17-Dibenzofuran | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin |
| | 1,2,3,4,7,8,9-C17-Dibenzofuran | 1,2,3,4,7,8-C16-Dibenzofuran |
| | 1,2,3,4,7,8-C16-Dibenzo-p-dioxin | 1,2,3,6,7,8-C16-Dibenzofuran |
| | 1,2,3,6,7,8-C16-Dibenzo-p-dioxin | 1,2,3,7,8,9-C16-Dibenzofuran |
| | 1,2,3,7,8,9-C16-Dibenzo-p-dioxin | 1,2,3,7,8-C15-Dibenzofuran |
| | 1,2,3,7,8-C15-Dibenzo-p-dioxin | 2,3,4,6,7,8-C16-Dibenzofuran |
| | 2,3,4,7,8-C15-Dibenzofuran | 2,3,7,8-C14-Dibenzofuran |
| | 2,3,7,8-C14-Dibenzo-p-dioxin | H6CDD |
| | H6CDF | H7CDD |
| | H7CDF | O8CDD |
| | O8CDF | P5CDD |
| | P5CDF | PCDD/PCDF |
| | T4CDD | T4CDF |

(Chemistry Air - Volatiles)

| | | |
|---------------|---|----------------------------|
| BRL SOP-00302 | VOST Analyses by GCMS in Air (Modified EPA SW846 5041 A, 8260C) | |
| | 1,1,1-Trichloroethane | 1,1,2,2-Tetrachloroethane |
| | 1,1,2-Trichloroethane | 1,1-Dichloroethane |
| | 1,2,3-Trichloropropane | 1,2-Dichlorobenzene |
| | 1,2-Dichloroethane | 1,2-Dichloropropane |
| | 1,3-Dichlorobenzene | 1,4-Difluorobenzene |
| | 2-Butanone | 2-Hexanone |
| | 4-Methyl-2-Pentanone | Acetone |
| | Benzene | Bromodichloromethane |
| | Bromoform | Bromomethane |
| | Carbon Disulfide | Carbon Tetrachloride |
| | Chlorobenzene | Chlorodibromomethane |
| | Chloroethane | Chloroform |
| | Chloromethane | cis-1,2-Dichloroethylene |
| | cis-1,3-Dichloropropene | Dichlorodifluoromethane |
| | Ethyl Benzene | Ethylene Dibromide |
| | Iodomethane | Methylene Chloride |
| | Styrene | Tetrachloroethene |
| | Toluene | Trans-1,2-Dichloroethylene |
| | Trans-1,3-Dichloropropene | Trichloroethene |
| | Trichlorofluoromethane | Vinyl Chloride |
| | Xylenes | |

(Chemistry - Air Filter)

| | | | | |
|---------------|---|---------|------------|-----------|
| CAM SOP-00408 | ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge | | | |
| | Antimony | Arsenic | Barium | Beryllium |
| | Bismuth | Boron | Cadmium | Calcium |
| | Chromium | Cobalt | Copper | Iron |
| | Lead | Lithium | Magnesium | Manganese |
| | Molybdenum | Nickel | Phosphorus | Potassium |
| | Selenium | Silicon | Silver | Sodium |
| | Strontium | Tin | Titanium | Tungsten |
| | Vanadium | Zinc | | |
| CAM SOP-00942 | Gravimetric Analysis of Filter-Collected Suspended Particulate Matter | | | |

(Chemistry – Oil, Paint)

| | | | | |
|---------------|---|--------------|--------------|--------------|
| CAM SOP-00328 | Polychlorinated Biphenyls in Oil Samples (PCBs) by GC/ECD | | | |
| | Only for: Oil | | | |
| | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 |
| | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Aroclor-1262 |
| | Aroclor-1268 | Total PCB | | |

| | | | | |
|---------------|---|---------|-----------|-----------|
| CAM SOP 00408 | ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge | | | |
| | Aluminum | Arsenic | Barium | Beryllium |
| | Bismuth | Cadmium | Calcium | Chromium |
| | Cobalt | Copper | Lead | Magnesium |
| | Manganese | Nickel | Potassium | Sodium |
| | Strontium | Sulfur | Vanadium | Zinc |

(Chemistry - Soil, Sediment, other environmental solids)

| | | | | |
|---------------|--|--------------|--------------------------------------|-----------------|
| BRL SOP-00012 | Nitrosamines Analysis in water, soil by GC/Triple Quadrupole Mass Spectrometer | | | |
| | N-Nitrosodimethylamine | | N-Nitrosoethylmethylamine | |
| | N-Nitrosodiethylamine | | N-Nitroso-di-n-propylamine | |
| | N-Nitrosomorpholine | | N-Nitrosopyrrolidine | |
| | N-Nitrosopiperidine | | N-Nitroso-di-n-butylamine | |
| BRL SOP-00014 | Determination of Organochlorine in Water and Soil by Gas Chromatography/Triple Quadrupole Mass Spectrometry (GC/MS/MS) | | | |
| | Hexachlorobenzene | a-BHC | g-BHC | b-BHC |
| | heptachlor | d-BHC | Aldrin | Oxychlorodane |
| | Heptachlor epoxide | g-Chlordane | op-DDE | Trans-Nonachlor |
| | a-Chlordane | a-Endosulfan | pp-DDE | Dieldrin |
| | op-DDD | Endrin | op-DDT | cis-Nonachlor |
| | pp-DDT | b-Endosulfan | pp-DDD | Endrin aldehyde |
| | Endosulfan sulfate | Methoxychlor | Endrin ketone | Mirex |
| BRL SOP-00015 | Determination of Toxaphene in Water and Soil by Gas Chromatography/Triple Quadrupole Mass Spectrometry (GC/MS/MS) | | | |
| | Hx-Sed | Hp-Sed | Parlar 26 | Parlar 41 |
| | Parlar 40 | Parlar 44 | Parlar 50 | Parlar 62 |
| | Total Toxaphene | | | |
| BRL SOP-00217 | 1,4 Dioxane in Water and Soil using Isotope Dilution by GCMS | | | |
| BRL SOP-00406 | Dioxins and Furans by HRGC HRMS in Water and Soil (Modified EPA SW846 8290) | | | |
| | 1,2,3,4,6,7,8,9-C18-Dibenzofuran | | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin | |
| | 1,2,3,4,6,7,8-C17-Dibenzofuran | | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin | |
| | 1,2,3,4,7,8,9-C17-Dibenzofuran | | 1,2,3,4,7,8-C16-Dibenzofuran | |
| | 1,2,3,4,7,8-C16-Dibenzo-p-dioxin | | 1,2,3,6,7,8-C16-Dibenzofuran | |
| | 1,2,3,6,7,8-C16-Dibenzo-p-dioxin | | 1,2,3,7,8,9-C16-Dibenzofuran | |
| | 1,2,3,7,8,9-C16-Dibenzo-p-dioxin | | 1,2,3,7,8-C15-Dibenzofuran | |
| | 1,2,3,7,8-C15-Dibenzo-p-dioxin | | 2,3,4,6,7,8-C16-Dibenzofuran | |
| | 2,3,4,7,8-C15-Dibenzofuran | | 2,3,7,8-C14-Dibenzofuran | |
| | 2,3,7,8-C14-Dibenzo-p-dioxin | | H6CDD | |
| | H6CDF | | H7CDD | |
| | H7CDF | | O8CDD | |
| | O8CDF | | P5CDD | |
| | P5CDF | | PCDD | |

| | PCDF T4CDF | T4CDD |
|---|---|----------------------------|
| BRL SOP-00408 | PCB Congener (209 Analytes) by HRGC HRMS in Water, Soil and Air (Modified EPA 1668A/B/C) | |
| CAM SOP-00460 | Determination of Nitrogen in Soil/Sediment by Combustion | |
| CAM SOP 00307, CAM SOP 00317, CAM SOP 00309 | Organochlorine Pesticides and PCBs in Solids, Water and Biological Materials by GC-ECD, Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD, and Neutral Chlorinated Hydrocarbons in Solid and Water by GC/ECD | |
| | 1,2,3,4-Tetrachlorobenzene | 1,2,3,5-Tetrachlorobenzene |
| | 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene |
| | 1,3,5-Trichlorobenzene | 2,4,5-Trichlorotoluene |
| | a-BHC | a-Chlordane |
| | Aldrin | Aroclor 1016 |
| | Aroclor 1221 | Aroclor 1232 |
| | Aroclor 1242 | Aroclor 1248 |
| | Aroclor 1254 | Aroclor 1260 |
| | Aroclor 1262 | Aroclor 1268 |
| | b-BHC | d-BHC |
| | Dieldrin | Endosulfan I |
| | Endosulfan II | Endosulfan Sulfate |
| | Endrin | g-Chlordane |
| | Heptachlor | Heptachlor Epoxide |
| | Hexachlorobenzene | Hexachlorobutadiene |
| | Hexachlorocyclopentadiene | Hexachloroethane |
| | Lindane | Methoxychlor |
| | Mirex | o,p' DDD |
| | o,p' DDE | o,p'-DDT |
| | Octachlorostyrene | Oxychlordane |
| | p,p'-DDD | p,p'-DDE |
| | p,p'-DDT | Pentachlorobenzene |
| | Total PCB | Toxaphene |
| CAM SOP 00310 | The Determination of Formaldehyde in Water and Soil by HPLC | |
| CAM SOP 00449 | Fluoride in Waters, Soil, Air, and Vegetation, by ISE | |
| CAM SOP 00463 | Determination of Chloride in Water and Soil by MicroColourimetry | |
| CAM SOP 00464 | Sulphate Determination in Water and Soils by Automated Turbidimetry | |
| CAM SOP-00226 | Volatile Organic Compounds by Purge and Trap GC/MS in Water, Leachates and Soil | |
| | 1,1,1,2-Tetrachloroethane | 1,1,1-Trichloroethane |
| | 1,1,2,2-Tetrachloroethane | 1,1,2-Trichloroethane |
| | 1,1-dichloroethane | 1,1-Dichloroethene |
| | 1,2-Dibromoethane | 1,2-Dichlorobenzene |
| | 1,2-Dichloroethane | 1,2-Dichloropropane |

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| | <p>1,3-Dichlorobenzene 2-Hexanone Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene m/p-xylene Methyl Isobutyl Ketone o-xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride</p> | <p>1,4-Dichlorobenzene Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethene Dibromochloromethane Dichloroethane Hexane Methyl Ethyl Ketone Methyl Tertbutyl Ether Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane</p> |
| CAM SOP-00228 | <p>Volatile Organic Compounds by Headspace GC/MS in Water and Soil</p> <p>1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2-Dibromoethane 1,2-Dichloroethane 1,3-Dichlorobenzene 3-Dichlorobenzene Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene m/p-xylene Methyl Isobutyl Ketone o-xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride</p> | <p>1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2-Dichlorobenzene 1,2-Dichloropropane 2-Hexanone Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethene Dibromochloromethane Dichloromethane Hexane Methyl Ethyl Ketone Methyl Tertbutyl Ether Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane</p> |
| CAM SOP-00230 | <p>Volatile Organic Compounds (VOCs) and F1 Hydrocarbons in Solid and GC/MS/FID</p> <p>1,1,1 Trichloroethane</p> | <p>1,1,1,2-Tetrachloroethane</p> |

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| | <p>1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylene dibromide Hexane Methyl isobutyl ketone Methylene chloride o-Xylene Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane</p> | <p>1,1,2-Trichloroethane 1,1-Dichloroethylene 1,2-Dichloroethane 1,3-Dichlorobenzene Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethylene Dibromochloromethane Ethylbenzene F1 (C6-C10) Methyl ethyl ketone Methyl t-butyl ether m-Xylene p-Xylene Tetrachloroethylene trans-1,2-Dichloroethylene Trichloroethylene</p> |
| CAM SOP-00301 | <p>Determination of Semivolatile Organics (Acid / Base Neutral Extractables) in Solid and Aqueous Samples Using GC/MS operating under both the Full Scan and Selected Ion Monitoring (SIM) Modes</p> <p>1,2,4-Trichlorobenzene 1,2-Diphenylhydrazine 1,4-Dichlorobenzene 2,3,4,5-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3-Dichlorophenol 2,4,6-Trichlorophenol 2,4-Dimethyl Phenol 2,4-Dinitrotoluene 2,6-Dichlorophenol 2-Chloronaphthalene 2-Methylnaphthalene 3,3'-Dichlorobenzidine 3,4-Dichlorophenol 3-Chlorophenol 4-Bromophenyl Phenyl Ether 4-Chlorophenol 4-Nitrophenol</p> | <p>1,2-Dichlorobenzene 1,3-Dichlorobenzene 1-Methylnaphthalene 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dichloro Phenol 2,4-Dinitrophenol 2,5-Dichlorophenol 2,6-Dinitrotoluene 2-Chlorophenol 2-Nitrophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4,6-Dinitro-O-Cresol 4-Chloroaniline 4-Chlorophenyl Phenyl Ether Acenaphthene</p> |

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| | <p>Acenaphthylene Anthracene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Biphenyl Bis (2-Chloro Ethyl) Ether (2-Chloro Isopropyl) Ether/ 2,2'-oxybis[1-chloro-propane] Bis (2-ethylhexyl) Phthaltate Chrysene Diazinon Diethyl Phthalate Di-n-Butylphthalate Fluoranthene Hexachlorobenzene Hexachlorocyclopentadiene Indeno (1,2,3 - cd) pyrene m/p-cresol Metribuzin Nitrobenzene N-Nitroso-Di-N Propyl Amine N-Nitroso-Diphenylamine/Diphenylamine o-Cresol Parathion Ethyl P-Chloro-M-Cresol Pentachloro-phenol Phenol Prometryne Pyrene Simazine Terbutryn</p> | <p>Amytryne Atrazine Benzo (a) pyrene Benzo (e) pyrene Benzo (k) fluoranthene Bis (2-Chloro Ethoxy) Methane Bis(2-chloro-1methylethyl) ether/ Bis Butyl Benzyl Phthalate Cyanazine Dibenzo (a,h) anthracene Dimethyl Phthalate Di-n-Octylphthalate Fluorene Hexachlorobutadiene Hexachloroethane Isophorone Malathion Naphthalene N-Nitrosodimethylamine Parathion Methyl Pentachlorobenzene Phenanthrene Prometon Propazine Quinoline Simetryn</p> |
| CAM SOP-00315 | <p>Determination of CCME C6-C10 Hydrocarbons (F1) and BTEX in Soil and Water by Headspace-GC/MS/FID BTEX (Benzene, Toluene, Ethylbenzene, Xylenes) F1: C6-C10</p> | |
| CAM SOP-00316 | <p>The Determination of CCME Extractable Petroleum Hydrocarbons (F2-4) in Water and Soil by GC-FID F2: C10-C16 F3: C16-C34 F4: C34-C50 F4G</p> | |
| CAM SOP-00318 | <p>Determination of Polynuclear Aromatic Hydrocarbons (PAHs) in Solid and Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene Acenaphthene Anthracene 2-methylnaphthalene Acenaphthylene Benzo (a) anthracene</p> | |

| | | |
|---------------|---|--|
| | <p>Benzo (a) pyrene Benzo (e) pyrene Benzo (k) fluoranthene Chrysene Fluoranthene Indeno (1,2,3-cd) pyrene Perylene Pyrene</p> | <p>Benzo (b,j) fluoranthene Benzo (g,h,i) perylene Biphenyl Dibenzo (a,h) anthracene Fluorene Naphthalene Phenanthrene</p> |
| CAM SOP-00320 | <p>The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC</p> <p>1,3,5-Trinitrobenzene 2,4,6-Trinitrotoluene 2,6-Dinitrotoluene 2-Nitrotoluene 3-Nitrotoluene 4-Nitrotoluene Methyl-2,4,6-trinitrophenylnitramine Nitroglycerin Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine Pentaerythritol tetranitrite (PETN)</p> | <p>1,3-Dinitrobenzene 2,4-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 3,5-Dinitroaniline 4-Amino-2,6-dinitrotoluene Hexahydro-1,3,5-trinitro-1,3,5-triazine Nitrobenzene</p> |
| CAM SOP-00322 | <p>The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC FID</p> <p>Diethylene Glycol Ethylene Glycol Propylene Glycol</p> | |
| CAM SOP-00323 | <p>Total Petroleum Hydrocarbons Soxhlet Extraction Method for Soil Sample</p> | |
| CAM SOP-00324 | <p>Oil and Grease Soxhlet Extraction Method for Soil Sample</p> | |
| CAM SOP-00330 | <p>Determination of Phenoxy Acid Herbicides and related compounds in Aqueous and Solid Samples Using Selected Ion Monitoring (SIM) GC/MS</p> <p>2,4,5-T 2,4-D 2,4-DP (dichlorprop) Acifluorfen Chloramben Dicamba MCPA Pentachlorophenol</p> | <p>2,4,5-TP 2,4-DB 3,5-dichlorobenzoic acid Bentazon DCPA Diacid Dinoseb (DNBP) MCPP Picloram</p> |
| CAM SOP-00332 | <p>Determination of Chlorinated Phenols in Soil and Water Using Selected Ion Monitoring (SIM) GC/MS</p> <p>2,3,4,5-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3-Dichlorophenol</p> | <p>2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol</p> |

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| | 2,4,6-Trichlorophenol 2,4-Dimethylphenol 2,5-Dichlorophenol 2-Chlorophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4-Chloro-3-Methylphenol 4-Nitrophenol o-Cresol Phenol | 2,4-Dichlorophenol 2,4-Dinitrophenol 2,6-Dichlorophenol 2-Nitrophenol 3,4-Dichlorophenol 4,6-Dinitro-2-methylphenol 4-Chlorophenol m/p-Cresol Pentachlorophenol |
| CAM SOP-00333 | Determination of Selected Pesticides in Soil by LC/MS/MS Atrazine Desethyl-atrazine(De-ethylated atrazine) Linuron Tebuthiuron | |
| CAM SOP-00408 | ICP OES- Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Aluminum Beryllium Calcium Iron Manganese Potassium Sodium Tin | |
| CAM SOP-00413 | Measurement of pH in Water, Soils and Food Samples | |
| CAM SOP-00414 | Electrical Conductivity in Waters and Sludge, Soil Extracts | |
| CAM SOP-00432 | Ignitability of Solids | |
| CAM SOP-00435 | Anions in Soil and Water by Ion Chromatography Bromide Nitrite (NO ₂) | |
| CAM SOP-00436 | Hexavalent Chromium by IC in Water and Soil | |
| CAM SOP-00440 | Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA | |
| CAM SOP-00441 | Ammonia in Waters Biosolids and Soil Samples by Colourimetry | |
| CAM SOP-00444 | Analysis of Phenolics in Water and Soil Colourimetric Automated 4-AAP | |
| CAM SOP-00445 | Determination of Moisture Content Solids by Gravimetry | |
| CAM SOP-00447 | ICPMS Metals in Waters, Foods, Solids, NHP and Biota Total and Dissolved Metals Aluminum Beryllium Calcium Iron Manganese Phosphorus | |

| | Sodium Thorium Uranium | Strontium Tin Vanadium | Tellurium Titanium Zinc | Thallium Tungsten Zirconium |
|---------------|--|------------------------------|-------------------------------|-----------------------------------|
| CAM SOP-00451 | Determination of Perchlorate in Water and Soil by LC/MS/MS | | | |
| CAM SOP-00453 | Mercury in Liquids, Soils, swabs, Paint, Oil, NHP and Food by CVAA | | | |
| CAM SOP-00457 | Analysis of Cyanide in Liquids and Solids by Colourimetry Cyanide (SAD) Free Cyanide | | | |
| CAM SOP-00461 | Analysis of Ortho-Phosphate in Water and Soil by Micro-Colourimetry | | | |
| CAM SOP-00467 | Particle Size Distribution Sieve Analysis in Soil | | | |
| CAM SOP-00468 | TOC and TC in Solids by Furnace Combustion Total Carbon Total Organic Carbon | | | |
| CAM SOP-00894 | Determination of Perfluorinated Compounds in Water and Soil by LC-MS-MS Perfluorobutanoic acid (PFBA) Perfluoropentanoic acid (PFPeA) Perfluorohexanoic acid (PFHxA) Perfluoroheptanoic acid (PFHpA) Perfluorooctanoic acid (PFOA) Perfluorononanoic acid (PFNA) Perfluorodecanoic acid (PFDA) Perfluoroundecanoic acid (PFUnA) Perfluorododecanoic acid (PFDoA) Perfluorotridecanoic acid (PFTrDA) Perfluorotetradecanoic acid (PFTeDA) Perfluorobutanesulfonic acid (PFBS) Perfluoropentanesulfonic acid (PFPeS) Perfluorohexanesulfonic acid (PFHxS) Perfluoroheptanesulfonic acid (PFHpS) Perfluorooctanesulfonic acid (PFOS) Perfluorononanesulfonic acid (PFNS) Perfluorodecanesulfonic acid (PFDS) Perfluorooctanesulfonamide (PFOSA) N-methylperfluorooctanesulfonamide (MeFOSA) N-ethylperfluorooctanesulfonamide (EtFOSA) N-methylperfluorooctanesulfonamidoethanol (MeFOSE) N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) 4:2 Fluorotelomersulfonic acid (4:2 FTS) 6:2 Fluorotelomersulfonic acid (6:2 FTS) 8:2 Fluorotelomersulfonic acid (8:2 FTS) Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | |

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| | <p>4,8-dioxa-3H-perfluorononanoic acid (ADONA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)</p> |
| <p>CAM SOP-00981</p> | <p>Analysis of PFAS in Environmental Samples by LC-MS/MS (Draft EPA 1633) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) 1H, 1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2 FTS) 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA, 3-Perfluoroheptyl Propanoic Acid) 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA, 3-Perfluoropropyl Propanoic Acid) 4,8-dioxa-3H-perfluorononanoic acid (ADONA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) Hexafluoropropylene oxide dimer acid (HFPO-DA) N-ethylperfluorooctanesulfonamide (EtFOSA) N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) N-methylperfluorooctanesulfonamide (MeFOSA) N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) N-methylperfluorooctanesulfonamidoethanol (MeFOSE) Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA) Perfluoro-3-methoxypropanoic acid (PFMPA) Perfluoro-4-methoxybutanoic acid (PFMBA) Perfluorobutanesulfonic acid (PFBS) Perfluorobutanoic acid (PFBA) Perfluorodecanesulfonic acid (PFDS) Perfluorodecanoic acid (PFDA) Perfluorododecanesulfonic Acid (PFDoS) Perfluorododecanoic acid (PFDoA) Perfluoroheptanesulfonic acid (PFHpS) Perfluoroheptanoic acid (PFHpA) Perfluorohexanesulfonic acid (PFHxS) Perfluorohexanoic acid (PFHxA) Perfluorononanesulfonic acid (PFNS) Perfluorononanoic acid (PFNA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonic acid (PFOS)</p> |

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| | Perfluorooctanoic acid (PFOA) Perfluoropentanesulfonic acid (PFPeS) Perfluoropentanoic acid (PFPeA) Perfluorotetradecanoic acid (PFTeDA) Perfluorotridecanoic acid (PFTrDA) Perfluoroundecanoic acid (PFUnA) |
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(Chemistry - Swabs)

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| CAM SOP 00734 | Allergens in Foods and Swabs, Mycotoxin in Food using ELISA |
| CAM SOP-00309 | Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268 |
| CAM SOP-00408 | ICP OES- Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Silver Sodium Strontium Sulphur Tin Titanium Vanadium Zinc |

Waste (Leachates)

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| BRL SOP-00012 | Nitrosamines Analysis in Water, Soil by GC Triple Quadrupole MS N-Nitrosodimethylamine (NDMA) |
| BRL SOP-00012 | Nitrosamines Analysis in Water and Soil by GC Triple Quadrupole MS N-Nitroso-di-n-butylamine N-Nitroso-di-n-propylamine N-Nitrosodiethylamine N-Nitrosodimethylamine N-Nitrosoethylmethylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine |
| BRL SOP-00410 | Dioxin and Furans in Water, Leachates, Soil, Food and Biota by HRGC HRMS (EPA 1613) 1,2,3,4,6,7,8,9-Cl8-Dibenzofuran 1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin 1,2,3,4,6,7,8-Cl7-Dibenzofuran 1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin 1,2,3,4,7,8,9-Cl7-Dibenzofuran 1,2,3,4,7,8-Cl6-Dibenzofuran 1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin 1,2,3,6,7,8-Cl6-Dibenzofuran 1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin 1,2,3,7,8,9-Cl6-Dibenzofuran 1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin 1,2,3,7,8-Cl5-Dibenzofuran 1,2,3,7,8-Cl5-Dibenzo-p-dioxin 2,3,4,6,7,8-Cl6-Dibenzofuran 2,3,4,6,7,8-Cl6-Dibenzofuran 2,3,4,7,8-Cl5-Dibenzofuran 2,3,7,8-Cl4-Dibenzofuran 2,3,7,8-Cl4-Dibenzo-p-dioxin H6CDD H6CDF |

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| | <p>H7CDD O8CDD P5CDD PCDD T4CDD</p> | <p>H7CDF O8CDF P5CDF PCDF T4CDF</p> |
| CAM SOP-00226 | <p>Volatile Organic Compounds by Purge and Trap GC/MS in Water, Leachates and Soil</p> <p>1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1-dichloroethane 1,2-Dibromoethane 1,2-Dichloroethane 1,3-Dichlorobenzene 2-Hexanone Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene m/p-xylene Methyl Isobutyl Ketone o-xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride</p> | <p>1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethene Dibromochloromethane Dichloroethane Hexane Methyl Ethyl Ketone Methyl Tertbutyl Ether Styrene Toluene trans-1,3-Dichloropropane Trichlorofluoromethane</p> |
| CAM SOP-00228 | <p>Volatile Organic Compounds by Headspace GC/MS in Water, Leachates and Soil</p> <p>1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1-dichloroethane 1,2-Dibromoethane 1,2-Dichloroethane 1,3-Dichlorobenzene 2-Hexanone Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane</p> | <p>1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethene</p> |

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| | <p>cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene m/p-xylene Methyl Isobutyl Ketone o-xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene</p> | <p>Dibromochloromethane Dichloroethane Hexane Methyl Ethyl Ketone Methyl Tertbutyl Ether Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane</p> |
| CAM SOP-00301 | <p>Determination of Semivolatile Organics (Acid / Base Neutral Extractables) in Solid and Aqueous Samples Using GC/MS operating under both the Full Scan and Selected Ion Monitoring (SIM) Modes</p> <p>Anthracene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1-Methylnaphthalene 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dichloro Phenol 2,4-Dinitrophenol 2,5-Dichlorophenol 2,6-Dinitrotoluene 2-Chlorophenol 2-Nitrophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4,6-Dinitro-O-Cresol 4-Chloroaniline 4-Chlorophenyl Phenyl Ether Acenaphthene Amytryne Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Biphenyl Bis (2-Chloro Ethyl) Ether Bis(2-chloro-1methylethyl) ether/ Bis (2-Chloro Isopropyl) Ether/ 2,2'-oxybis[1-chloro-propane] Bis (2-ethylhexyl) Phthalate Chrysene Diazinon</p> | <p>1,2,4-Trichlorobenzene 1,2-Diphenylhydrazine 1,4-Dichlorobenzene 2,3,4,5-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3-Dichlorophenol 2,4,6-Trichlorophenol 2,4-Dimethyl Phenol 2,4-Dinitrotoluene 2,6-Dichlorophenol 2-Chloronaphthalene 2-Methylnaphthalene 3,3'-Dichlorobenzidine 3,4-Dichlorophenol 3-Chlorophenol 4-Bromophenyl Phenyl Ether 4-Chlorophenol 4-Nitrophenol Acenaphthylene Atrazine Benzo (a) pyrene Benzo (e) pyrene Benzo (k) fluoranthene Bis (2-Chloro Ethoxy) Methane Butyl Benzyl Phthalate Cyanazine Dibenzo (a,h) anthracene</p> |

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|---------------------------------|---|---|----------------------------|----------------------------|----------------------------|------------------------|------------------------|------------------------|-------|-------------|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------|----------|--------------|---------------|--------------------|--------|-------------|------------|--------------------|-------------------|---------------------|---------------------------|------------------|---------|--------------|
| | <p>Diethyl Phthalate Di-n-Butylphthalate Fluoranthene Pentachlorobenzene Hexachlorobutadiene Hexachloroethane Isophorone Malathion Naphthalene N-Nitrosodimethylamine N-Nitroso-Diphenylamine/Diphenylamine Parathion Ethyl P-Chloro-M-Cresol Phenanthrene Prometon Propazine Quinoline Simetryn</p> | <p>Dimethyl Phthalate Di-n-Octylphthalate Fluorene Hexachlorobenzene Hexachlorocyclopentadiene Indeno (1,2,3 - cd) pyrene m/p-cresol Metribuzin Nitrobenzene N-Nitroso-Di-N Propyl Amine o-Cresol Parathion Methyl Pentachloro-phenol Phenol Prometryne Pyrene Simazine Terbutryn</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM SOP-00305 | Analysis of Glyphosate in Water, Leachates and Soil by HPLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM SOP-00306 | <p>Analysis of Diuron, Guthion, and Temephos in Water by HPLC Diuron Guthion (azinphos-methyl) Temephos</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM SOP-00307, CAM SOP-00309 | <p>Organochlorine Pesticides and PCBs in Solids, Water and Biological Materials by GC-ECD, Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD</p> <table> <tr> <td>1,2,3,4-Tetrachlorobenzene</td> <td>1,2,3,5-Tetrachlorobenzene</td> </tr> <tr> <td>1,2,4,5-Tetrachlorobenzene</td> <td>1,2,4-Trichlorobenzene</td> </tr> <tr> <td>1,3,5-Trichlorobenzene</td> <td>2,4,5-Trichlorotoluene</td> </tr> <tr> <td>a-BHC</td> <td>a-Chlordane</td> </tr> <tr> <td>Aldrin</td> <td>Aroclor 1016</td> </tr> <tr> <td>Aroclor 1221</td> <td>Aroclor 1232</td> </tr> <tr> <td>Aroclor 1242</td> <td>Aroclor 1248</td> </tr> <tr> <td>Aroclor 1254</td> <td>Aroclor 1260</td> </tr> <tr> <td>Aroclor 1262</td> <td>Aroclor 1268</td> </tr> <tr> <td>b-BHC</td> <td>d-BHC</td> </tr> <tr> <td>Dieldrin</td> <td>Endosulfan I</td> </tr> <tr> <td>Endosulfan II</td> <td>Endosulfan Sulfate</td> </tr> <tr> <td>Endrin</td> <td>g-Chlordane</td> </tr> <tr> <td>Heptachlor</td> <td>Heptachlor Epoxide</td> </tr> <tr> <td>Hexachlorobenzene</td> <td>Hexachlorobutadiene</td> </tr> <tr> <td>Hexachlorocyclopentadiene</td> <td>Hexachloroethane</td> </tr> <tr> <td>Lindane</td> <td>Methoxychlor</td> </tr> </table> | | 1,2,3,4-Tetrachlorobenzene | 1,2,3,5-Tetrachlorobenzene | 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene | 1,3,5-Trichlorobenzene | 2,4,5-Trichlorotoluene | a-BHC | a-Chlordane | Aldrin | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Aroclor 1262 | Aroclor 1268 | b-BHC | d-BHC | Dieldrin | Endosulfan I | Endosulfan II | Endosulfan Sulfate | Endrin | g-Chlordane | Heptachlor | Heptachlor Epoxide | Hexachlorobenzene | Hexachlorobutadiene | Hexachlorocyclopentadiene | Hexachloroethane | Lindane | Methoxychlor |
| 1,2,3,4-Tetrachlorobenzene | 1,2,3,5-Tetrachlorobenzene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | 1,2,4-Trichlorobenzene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,3,5-Trichlorobenzene | 2,4,5-Trichlorotoluene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a-BHC | a-Chlordane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aldrin | Aroclor 1016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1221 | Aroclor 1232 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1242 | Aroclor 1248 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | Aroclor 1260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1262 | Aroclor 1268 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b-BHC | d-BHC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dieldrin | Endosulfan I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endosulfan II | Endosulfan Sulfate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endrin | g-Chlordane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptachlor | Heptachlor Epoxide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hexachlorobenzene | Hexachlorobutadiene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hexachlorocyclopentadiene | Hexachloroethane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lindane | Methoxychlor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | Mirex o,p' DDE Octachlorostyrene p,p'-DDD p,p'-DDT Total PCB | o,p' DDD o,p'-DDT Oxychlorodane p,p'-DDE Pentachlorobenzene | |
| CAM SOP-00315 | Determination of CCME C6-C10 Hydrocarbons (F1) and BTEX in Soil and Water by Headspace-GC/MS/FID BTEX (Benzene, Toluene, Ethylbenzene, Xylenes) F1: C6-C10 | | |
| CAM SOP-00316 | The Determination of CCME Extractable Petroleum Hydrocarbons (F2-4) in Water and Soil by GC-FID F2: C10-C16 F3: C16-C34 F4: C34-C50 F4G | | |
| CAM SOP-00318 | Determination of Polynuclear Aromatic Hydrocarbons (PAHs) in Solid and Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene Acenaphthene Anthracene Benzo (a) pyrene Benzo (e) pyrene Benzo (k) fluoranthene Chrysene Fluoranthene Indeno (1,2,3-cd) pyrene Perylene Pyrene 2-methylnaphthalene Acenaphthylene Benzo (a) anthracene Benzo (b,j) fluoranthene Benzo (g,h,i) perylene Biphenyl Dibenzo (a,h) anthracene Fluorene Naphthalene Phenanthrene | | |
| CAM SOP-00327 | Analysis of Diquat and Paraquat in Water by HPLC-UV Detector Using Aqueous Ionic Mobile Phase Diquat Paraquat | | |
| CAM SOP-00334 | 1,4 Dioxane in Water, Soil and SPLP by SPE-GC/MS | | |
| CAM SOP-00411 | Nitrilotriacetic Acid (NTA) in Water by UV-Vis Spectroscopy | | |
| CAM SOP-00440 | Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA Nitrate Nitrite | | |
| CAM SOP-00447 | ICPMS Metals in Waters, Foods, Solids, NHP and Biota Aluminum Arsenic Barium Boron Cadmium Calcium Chromium Copper Iron Lead Magnesium Manganese Mercury Nickel Phosphorus Potassium Selenium Sodium Tin Titanium Zinc | | |

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| CAM SOP-00449 | Fluoride in Waters, Soil, Air and Vegetation by ISE. |
| CAM SOP-00457 | Analysis of Cyanide in Liquids and Solids by Colourimetry Cyanide (SAD) Free Cyanide |

Water (Inorganic)

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| CAM SOP 00463 (OSDWA) | Determination of Chloride in Water and Soil by MicroColourimetry |
| CAM SOP 00464 (OSDWA) | Sulphate Determination in Water and Soils by Automated Turbidimetry |
| CAM SOP-00326 (OSDWA) | Determination of Total Oil and Grease, Petroleum Hydrocarbons (heavy), Mineral Oil and Grease and Animal and Vegetable Oil and Grease in Water by Gravimetry Mineral, Animal and Vegetable Oil and Grease Petroleum Hydrocarbons (Heavy - F4G) Total Oil and Grease |
| CAM SOP-00407 | Determination of Phosphorus (all forms) in Waters by colourimetry (FIA) Hydrolysed phosphorus Ortho-phosphate (OSDWA) Total Phosphorus (OSDWA) |
| CAM SOP-00408 | ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Strontium Sulfur Thallium Tin Uranium Vanadium Zinc Zirconium |
| CAM SOP-00409 | Colourimetric Determination of Ferrous Iron in Water |
| CAM SOP-00410 (OSDWA) | Colourimetric Determination of Tannin and Lignin in liquid samples |
| CAM SOP-00411 (OSDWA) | Nitritotriacetic Acid (NTA) in Water by UV-Vis Spectroscopy |
| CAM SOP-00412 (OSDWA) | Spectrophotometric Determination of Colour in Water Samples Colour |
| CAM SOP-00413 (OSDWA) | Measurement of pH in Water, Soils and Food Samples |
| CAM SOP-00414 (OSDWA) | Electrical Conductivity in Waters and Sludge, Soil Extracts |
| CAM SOP-00416 (OSDWA) | COD in Water by Colourimetry COD (Chemical Oxygen Demand) |
| CAM SOP-00417 (OSDWA) | Turbidity in Water by Nephelometry |

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| CAM SOP-00425 | Determination of Free or Total Chlorine in Water by HACH colourimetry Free chlorine Total chlorine |
| CAM SOP-00427 | Determination of Biochemical Oxygen Demand in Waters by D.O. Meter BOD (5 day) (OSDWA) CBOD (5 day) (OSDWA) Dissolved Oxygen |
| CAM SOP-00428 (OSDWA) | Determination of Solids in Water, Solid and Semisolid (biosolid, sludge) Samples by Gravimetry Fixed and Volatile Solids Total Dissolved Solids Total Suspended Solids |
| CAM SOP-00431 (OSDWA) | Organic Acids in Water by Ion Chromatography Acetic Acid Butyric Acid Formic Acid Propionic Acid |
| CAM SOP-00433 (OSDWA) | Determination of Inorganic Carbon in Water by IR Detection DIC - Dissolved Inorganic Carbon TIC-Total Inorganic Carbon |
| CAM SOP-00435 (OSDWA) | Anions in Soil and Water by Ion Chromatography Bromide Chloride Sulfate |
| CAM SOP-00436 (OSDWA) | Hexavalent Chromium by IC in Water and Soil Hexavalent Chromium (CrVI) |
| CAM SOP-00440 (OSDWA) | Nitrite, Nitrate and TON in Waters, Solids, Sludge and Food by FIA Nitrate plus Nitrite Nitrite |
| CAM SOP-00441 (OSDWA) | Ammonia in Waters Biosolids and Soil Samples by Colourimetry |
| CAM SOP-00444 (OSDWA) | Analysis of Phenolics in Water and Soil-Colourimetric Automated 4-AAP Total Phenolics |
| CAM SOP-00446 (OSDWA) | Organic Carbon Analysis in Waters by Combustion and IR Detection DOC – Dissolved Organic Carbon TOC – Total Organic Carbon |
| CAM SOP-00447 (OSDWA) | ICPMS Metals in Waters, Foods, Solids, NHP and Biota Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Silicon Silver Sodium Strontium Tellurium Thallium Thorium Tin Titanium Tungsten Uranium Vanadium Zinc Zirconium |

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| CAM SOP-00448 (OSDWA) | Alkalinity in Waters by PC-Titrate. Alkalinity (pH 4.5) |
| CAM SOP-00449 (OSDWA) | Fluoride in Waters, Soil, Air and Vegetation by ISE |
| CAM SOP-00451 (OSDWA) | Determination of Perchlorate in Water and Soil by LC/MS/MS |
| CAM SOP-00453 (OSDWA) | Mercury in Liquids, Soils, Swabs, Paint, Oil, NHP and Food by CVAA. |
| CAM SOP-00455 (OSDWA) | Sulphide Determination in Water by Ion Selective Electrode |
| CAM SOP-00457 (OSDWA) | Analysis of Cyanide in Liquids and Solids by Colourimetry Cyanide (SAD) Free Cyanide |
| CAM SOP-00458 | Measurement of Total Residual Chlorine in Water by Amperometric Titration |
| CAM SOP-00459 (OSDWA) | UV Transmittance (Percent T) at 254 nm in Water and Wastewater by UV-VIS Spectroscopy % Transmittance |
| CAM SOP-00461 (OSDWA) | Analysis of Ortho-Phosphate in Water and Soil by Micro-Colourimetry |
| CAM SOP-00473 | Colourimetric Determination of Thiocyanate in Liquid Samples |
| CAM SOP-00476 (OSDWA) | Microcystins in Waters and Drinking Waters using ELISA |
| CAM SOP-00938 (OSDWA) | Total Kjeldahl Nitrogen in Waters (TKN) from Colourimetric TN and NO ₂ /NO ₃ Total Nitrogen (TN) NO ₂ /NO ₃ |

Water (Microbiology)

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| CAM SOP-00508 (OSDWA) | Enumeration of <i>Pseudomonas Aeruginosa</i> in Water with the Membrane Filtration Technique |
| CAM SOP-00511 | Enumeration of Fecal <i>Streptococcus</i> and <i>Enterococcus</i> in Water with the Membrane Filtration Technique <i>Enterococcus</i> Fecal <i>Streptococcus</i> (OSDWA) |
| CAM SOP-00512 | Heterotrophic Plate Count in Water and Wastewater using the Pour Plate and Membrane Filtrations Techniques Heterotrophic Plate Count (PP) (OSDWA) Heterotrophic Plate Count (MF) |
| CAM SOP-00514 (OSDWA) | Detection of Coliforms, Fecal Coliforms, <i>E. coli</i> , in Water with the Presence/Absence Technique <i>Escherichia coli</i> (<i>E. coli</i>) Fecal Coliforms Total Coliforms |
| CAM SOP-00551 | Enumeration of Coliform and <i>E. coli</i> in Potable Water Using Membrane Filtration |

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|---------------|---|
| (OSDWA) | and DC Agar Background <i>Escherichia coli</i> (<i>E. coli</i>) Total Coliforms |
| CAM SOP-00552 | Enumeration of Coliform, Fecal Coliform and <i>E. coli</i> in Water and Environmental Samples Using Mendo, mFC-RA and mFC-BCIG Agar and of <i>E. coli</i> in Biosolids using mFC-BCIG Agar Background Counts <i>Escherichia coli</i> (<i>E. coli</i>) Fecal Coliforms (OSDWA) Total Coliforms |
| CAM SOP-00581 | Detection of Coliforms and <i>E. coli</i> in Water by Presence/Absence Technique by using LMX Broth <i>Escherichia coli</i> (<i>E. coli</i>) Total Coliforms |

Water (Organic)

| | | | | |
|--------------------------|--|--|--|--|
| BRL SOP-00012 (OSDWA) | Nitrosamines Analysis in water, soil by GC/Triple Quadrupole Mass Spectrometer N-Nitrosodimethylamine N-Nitrosodiethylamine N-Nitrosomorpholine N-Nitrosopiperidine | N-Nitrosoethylmethylamine N-Nitroso-di-n-propylamine N-Nitrosopyrrolidine N-Nitroso-di-n-butylamine | | |
| BRL SOP-00013 (OSDWA) | Determination of Geosmin and 2-MIB in Water by GC Triple Quad Mass Spectrometry (GC/MS/MS) Geosmin 2-Methylisoborneol (2-MIB) | | | |
| BRL SOP-00014 | Determination of Organochlorine in Water and Soil by Gas Chromatography/Triple Quadrupole Mass Spectrometry (GC/MS/MS) Hexachlorobenzene heptachlor Heptachlor epoxide a-Chlordane op-DDD pp-DDT Endosulfan sulfate | a-BHC d-BHC g-Chlordane a-Endosulfan Endrin b-Endosulfan Methoxychlor | g-BHC Aldrin op-DDE pp-DDE op-DDT pp-DDD Endrin ketone | b-BHC Oxychlorodane Trans-Nonachlor Dieldrin cis-Nonachlor Endrin aldehyde Mirex |
| BRL SOP-00015 | Determination of Toxaphene in Water and Soil by Gas Chromatography/Triple Quadrupole Mass Spectrometry (GC/MS/MS) Hx-Sed Parlar 40 Total Toxaphene | Hp-Sed Parlar 44 | Parlar 26 Parlar 50 | Parlar 41 Parlar 62 |
| BRL SOP-00217 | 1,4-Dioxane in Water and Soil Using Isotope Dilution by GCMS | | | |

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|------------------------------------|---|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------|------------------------------------|--------------------------------|------------------------------------|--------------------------------|------------------------------------|------------------------------|----------------------------------|--------------------------------|------------------------------|----------------------------|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|--------|---------|---------|--|
| (OSDWA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRL SOP-00406 | <p>Dioxins/Furans in Water, Soil, Food and Biota by HRGC HRMS (EPA 8290A)</p> <table border="0"> <tr> <td>1,2,3,4,6,7,8,9-C18-Dibenzofuran</td> <td>1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin</td> </tr> <tr> <td>1,2,3,4,6,7,8-C17-Dibenzofuran</td> <td>1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin</td> </tr> <tr> <td>1,2,3,4,7,8,9-C17-Dibenzofuran</td> <td>1,2,3,4,7,8-C16-Dibenzofuran</td> </tr> <tr> <td>1,2,3,4,7,8-C16-Dibenzo-p-dioxin</td> <td>1,2,3,6,7,8-C16-Dibenzofuran</td> </tr> <tr> <td>1,2,3,6,7,8-C16-Dibenzo-p-dioxin</td> <td>1,2,3,7,8,9-C16-Dibenzofuran</td> </tr> <tr> <td>1,2,3,7,8,9-C16-Dibenzo-p-dioxin</td> <td>1,2,3,7,8-C15-Dibenzofuran</td> </tr> <tr> <td>1,2,3,7,8-C15-Dibenzo-p-dioxin</td> <td>2,3,4,6,7,8-C16-Dibenzofuran</td> </tr> <tr> <td>2,3,4,7,8-C15-Dibenzofuran</td> <td>2,3,7,8-C14-Dibenzofuran</td> </tr> <tr> <td>2,3,7,8-C14-Dibenzo-p-dioxin</td> <td>H6CDD</td> </tr> <tr> <td>H6CDF</td> <td>H7CDD</td> </tr> <tr> <td>H7CDF</td> <td>O8CDD</td> </tr> <tr> <td>O8CDF</td> <td>P5CDD</td> </tr> <tr> <td>P5CDF</td> <td>PCDD/PCDF</td> </tr> <tr> <td>T4CDD</td> <td>T4CDF</td> </tr> </table> | 1,2,3,4,6,7,8,9-C18-Dibenzofuran | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin | 1,2,3,4,6,7,8-C17-Dibenzofuran | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin | 1,2,3,4,7,8,9-C17-Dibenzofuran | 1,2,3,4,7,8-C16-Dibenzofuran | 1,2,3,4,7,8-C16-Dibenzo-p-dioxin | 1,2,3,6,7,8-C16-Dibenzofuran | 1,2,3,6,7,8-C16-Dibenzo-p-dioxin | 1,2,3,7,8,9-C16-Dibenzofuran | 1,2,3,7,8,9-C16-Dibenzo-p-dioxin | 1,2,3,7,8-C15-Dibenzofuran | 1,2,3,7,8-C15-Dibenzo-p-dioxin | 2,3,4,6,7,8-C16-Dibenzofuran | 2,3,4,7,8-C15-Dibenzofuran | 2,3,7,8-C14-Dibenzofuran | 2,3,7,8-C14-Dibenzo-p-dioxin | H6CDD | H6CDF | H7CDD | H7CDF | O8CDD | O8CDF | P5CDD | P5CDF | PCDD/PCDF | T4CDD | T4CDF | | |
| 1,2,3,4,6,7,8,9-C18-Dibenzofuran | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-C17-Dibenzofuran | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,7,8,9-C17-Dibenzofuran | 1,2,3,4,7,8-C16-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,7,8-C16-Dibenzo-p-dioxin | 1,2,3,6,7,8-C16-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,6,7,8-C16-Dibenzo-p-dioxin | 1,2,3,7,8,9-C16-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,7,8,9-C16-Dibenzo-p-dioxin | 1,2,3,7,8-C15-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,7,8-C15-Dibenzo-p-dioxin | 2,3,4,6,7,8-C16-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,3,4,7,8-C15-Dibenzofuran | 2,3,7,8-C14-Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,3,7,8-C14-Dibenzo-p-dioxin | H6CDD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H6CDF | H7CDD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H7CDF | O8CDD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O8CDF | P5CDD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P5CDF | PCDD/PCDF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T4CDD | T4CDF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRL SOP-00408 (OSDWA) | <p>PCB Congener (209 Analytes) by HRGC HRMS in Water, Soil and Air (Modified EPA 1668A)</p> <p>209 Congeners</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRL SOP-00410 | <p>Dioxin and Furans in Water, Leachates, Soil, Food and Biota by HRGC HRMS (EPA 1613)</p> <p># (OSDWA)</p> <table border="0"> <tr> <td>1,2,3,4,6,7,8,9-C18-Dibenzofuran</td> <td>1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin</td> </tr> <tr> <td>1,2,3,4,6,7,8-C17-Dibenzofuran #</td> <td>1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin #</td> </tr> <tr> <td>1,2,3,4,7,8,9-C17-Dibenzofuran #</td> <td>1,2,3,4,7,8-C16-Dibenzofuran #</td> </tr> <tr> <td>1,2,3,4,7,8-C16-Dibenzo-p-dioxin #</td> <td>1,2,3,6,7,8-C16-Dibenzofuran #</td> </tr> <tr> <td>1,2,3,6,7,8-C16-Dibenzo-p-dioxin #</td> <td>1,2,3,7,8,9-C16-Dibenzofuran #</td> </tr> <tr> <td>1,2,3,7,8,9-C16-Dibenzo-p-dioxin #</td> <td>1,2,3,7,8-C15-Dibenzofuran #</td> </tr> <tr> <td>1,2,3,7,8-C15-Dibenzo-p-dioxin #</td> <td>2,3,4,6,7,8-C16-Dibenzofuran #</td> </tr> <tr> <td>2,3,4,7,8-C15-Dibenzofuran #</td> <td>2,3,7,8-C14-Dibenzofuran #</td> </tr> <tr> <td>2,3,7,8-C14-Dibenzo-p-dioxin #</td> <td>H6CDD #</td> </tr> <tr> <td>H6CDF #</td> <td>H7CDD #</td> </tr> <tr> <td>H7CDF #</td> <td>O8CDD #</td> </tr> <tr> <td>O8CDF #</td> <td>P5CDD #</td> </tr> <tr> <td>P5CDF #</td> <td>PCDD #</td> </tr> <tr> <td>PCDF #</td> <td>T4CDD #</td> </tr> <tr> <td>T4CDF #</td> <td></td> </tr> </table> | 1,2,3,4,6,7,8,9-C18-Dibenzofuran | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin | 1,2,3,4,6,7,8-C17-Dibenzofuran # | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin # | 1,2,3,4,7,8,9-C17-Dibenzofuran # | 1,2,3,4,7,8-C16-Dibenzofuran # | 1,2,3,4,7,8-C16-Dibenzo-p-dioxin # | 1,2,3,6,7,8-C16-Dibenzofuran # | 1,2,3,6,7,8-C16-Dibenzo-p-dioxin # | 1,2,3,7,8,9-C16-Dibenzofuran # | 1,2,3,7,8,9-C16-Dibenzo-p-dioxin # | 1,2,3,7,8-C15-Dibenzofuran # | 1,2,3,7,8-C15-Dibenzo-p-dioxin # | 2,3,4,6,7,8-C16-Dibenzofuran # | 2,3,4,7,8-C15-Dibenzofuran # | 2,3,7,8-C14-Dibenzofuran # | 2,3,7,8-C14-Dibenzo-p-dioxin # | H6CDD # | H6CDF # | H7CDD # | H7CDF # | O8CDD # | O8CDF # | P5CDD # | P5CDF # | PCDD # | PCDF # | T4CDD # | T4CDF # | |
| 1,2,3,4,6,7,8,9-C18-Dibenzofuran | 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-C17-Dibenzofuran # | 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,7,8,9-C17-Dibenzofuran # | 1,2,3,4,7,8-C16-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,7,8-C16-Dibenzo-p-dioxin # | 1,2,3,6,7,8-C16-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,6,7,8-C16-Dibenzo-p-dioxin # | 1,2,3,7,8,9-C16-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,7,8,9-C16-Dibenzo-p-dioxin # | 1,2,3,7,8-C15-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,7,8-C15-Dibenzo-p-dioxin # | 2,3,4,6,7,8-C16-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,3,4,7,8-C15-Dibenzofuran # | 2,3,7,8-C14-Dibenzofuran # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,3,7,8-C14-Dibenzo-p-dioxin # | H6CDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H6CDF # | H7CDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H7CDF # | O8CDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O8CDF # | P5CDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P5CDF # | PCDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCDF # | T4CDD # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T4CDF # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM SOP 00310 (OSDWA) | The Determination of Formaldehyde in Water and Soil by HPLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAM SOP-00219 | <p>Analysis of Dissolved Methane and Other Gases in Water by GC/FID Headspace</p> <table border="0"> <tr> <td>Acetylene</td> <td>Carbon Dioxide</td> <td>Ethane</td> <td>Ethylene</td> </tr> <tr> <td>Methane (OSDWA)</td> <td>Propane</td> <td>Propylene</td> <td></td> </tr> </table> | Acetylene | Carbon Dioxide | Ethane | Ethylene | Methane (OSDWA) | Propane | Propylene | | | | | | | | | | | | | | | | | | | | | | | |
| Acetylene | Carbon Dioxide | Ethane | Ethylene | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methane (OSDWA) | Propane | Propylene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| CAM SOP-00226 | <p>Volatile Organic Compounds by Purge and Trap GC/MS in Water and Soil #(OSDWA)</p> <p>1- Butanol# 1,1,1-Trichloroethane# 1,1,2-Trichloroethane# 1,1-Dichloroethane# 1,2,3 – Trichlorobenzene# 1,2,3 – Trimethylbenzene# 1,2,4 – Trimethylbenzene# 1,2-dichloroethane# 1,3,5 – Trichlorobenzene# 1,3-Dichlorobenzene # 1-Propanol# 2-Chloroethyl vinyl ether# Acetaldehyde# Acrolein# Benzene# Bromoform# Butyl acetate# Carbon disulfide# Chlorobenzene# Chloroethane# Chloromethane# cis-1,3-Dichloropropene# Dichlorodifluoromethane# Dicyclopentadiene Diisopropyl ether# Ethyl acetate# Ethylbenzene# Hexane# Isopropanol# m/p-xylene# Methyl acrylate# Methyl isobutyl Ketone# Methyl t-butyl ether# o-xylene# Styrene# Tetrachloroethylene# Toluene# trans-1,3-Dichloropropene# Trichlorofluoromethane# Vinyl Chloride#</p> |
| CAM SOP-00228 | <p>Volatile Organic Compounds by Headspace GC/MS in Water and Soil</p> <p>1,1,1,2-Tetrachloroethane# 1,1,2,2-Tetrachloroethane# 1,1,2-Trichlorotrifluoroethane# 1,1-dichloroethylene# 1,2,3 – Trichloropropane# 1,2,4 – Trichlorobenzene# 1,2-dichlorobenzene# 1,2-Dichloropropane# 1,3,5 – Trimethylbenzene# 1,4-dichlorobenzene# 2-Butanol# 2-Hexanone# Acetone (2-Propanone) # Acrylonitrile# Bromodichloromethane# Bromomethane# Butyl acrylate# Carbon Tetrachloride# Chlorodibromomethane# Chloroform# cis-1,2-Dichloroethylene# Cyclohexane# Dichloromethane# Diethyl ether# Ethanol# Ethyl acrylate# Ethylene dibromide# Isobutanol# Isopropyl acetate# Methyl acetate# Methyl Ethyl Ketone# Methyl Methacrylate# Naphthalene# Propyl acetate# Tert-Butanol# Tetrahydrofuran# trans-1,2-Dichloroethylene# Trichloroethylene# Vinyl acetate#</p> |

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| | (Headspace Analysis) (# OSDWA) | |
| | 1- Butanol | 1,1,1,2-Tetrachloroethane# |
| | 1,1,1-Trichloroethane# | 1,1,2,2-Tetrachloroethane# |
| | 1,1,2-Trichloroethane# | 1,1,2-Trichlorotrifluoroethane |
| | 1,1-Dichloroethane# | 1,1-dichloroethylene# |
| | 1,2,3 – Trichlorobenzene | 1,2,3 - Trichloropropane |
| | 1,2,3 – Trimethylbenzene | 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# |
| | 1-Propanol | 2-Butanol |
| | 2-Chloroethyl vinyl ether | 2-Hexanone |
| | Acetaldehyde | Acetone (2-Propanone) # |
| | Acrolein | Acrylonitrile |
| | Benzene# | Bromodichloromethane# |
| | Bromoform# | Bromomethane# |
| | Butyl acetate | Butyl acrylate |
| | Carbon disulfide | Carbon Tetrachloride# |
| | Chlorobenzene# | Chlorodibromomethane# |
| | Chloroethane# | Chloroform# |
| | Chloromethane# | cis-1,2-Dichloroethylene# |
| | cis-1,3-Dichloropropene# | Cyclohexane |
| | Dichlorodifluoromethane# | Dichloromethane# |
| | Dicyclopentadiene | Diethyl ether |
| | Diisopropyl ether | Ethanol |
| | Ethyl acetate | Ethyl acrylate |
| | Ethylbenzene# | Ethylene dibromide# |
| | Hexane# | Isobutanol |
| | Isopropanol | Isopropyl acetate |
| | Isopropylbenzene | m/p-xylene# |
| | Methyl acetate | Methyl acrylate |
| | Methyl Ethyl Ketone# | Methyl isobutyl Ketone# |
| | Methyl methacrylate | Methyl t-butyl ether# |
| | Naphthalene | o-xylene# |
| | Propyl acetate | Styrene# |
| | Tert-Butanol | Tetrachloroethylene# |
| | Tetrahydrofuran | Toluene# |
| | trans-1,2-Dichloroethylene# | trans-1,3-Dichloropropene# |
| | Trichloroethylene# | Trichlorofluoromethane# |
| | Vinyl acetate | Vinyl Chloride# |
| CAM SOP-00230 | Volatile Organic Compounds (VOCs) and F1 Hydrocarbons in Solid and Water Samples Using Headspace GC/MS/FID | |

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| | <p>1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Benzene Bromoform Carbon Tetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylene dibromide Hexane Methyl isobutyl ketone Methylene chloride o-Xylene Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane Ethanol tert-Butanol 2-Butanol 1-Butanol</p> | <p>1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethylene 1,2-Dichloroethane 1,3-Dichlorobenzene Acetone Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethylene Dibromochloromethane Ethylbenzene F1(C6-C10) Methyl ethyl ketone Methyl t-butyl ether m-Xylene p-Xylene Tetrachloroethylene trans-1,2-Dichloroethylene Trichloroethylene Vinyl chloride Isopropanol 1-Propanol Isobutanol Acetaldehyde</p> |
| CAM SOP-00301 | <p>Determination of Semivolatile Organics Acid/Base Neutral Extractables) in Solid and Aqueous Samples Using GC/MS operating under both the Full Scan and Selected Ion Monitoring (SIM) Modes # (OSDWA) 1,2,4-Trichlorobenzene # 1,2-Diphenylhydrazine 1,4-Dichlorobenzene 2,3,4,5-Tetrachlorophenol # 2,3,4-Trichlorophenol # 2,3,5-Trichlorophenol # 2,3-Dichlorophenol # 2,4,5-Trichlorophenol # 2,4,6-trichlorophenol # 2,4-dichlorophenoxyacetic acid # 2,4-Dinitrophenol # 2,5-Dichlorophenol # 2,6-Dinitrotoluene #</p> | <p>1,2-Dichlorobenzene 1,3-Dichlorobenzene # 1-Methylnaphthalene # 2,3,4,6-tetrachlorophenol # 2,3,5,6-Tetrachlorophenol # 2,3,6-Trichlorophenol # 2,4,5-TP # 2,4,5-trichlorophenoxyacetic acid # 2,4-dichlorophenol # 2,4-Dimethyl Phenol # 2,4-Dinitrotoluene # 2,6-Dichlorophenol # 2-Chloronaphthalene #</p> |

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|---|----------------------------------|
| 2-Chlorophenol | 2-Methylnaphthalene # |
| 2-Nitrophenol # | 3,3'-Dichlorobenzidine # |
| 3,4,5-Trichlorophenol # | 3,4-Dichlorophenol # |
| 3,5-Dichlorophenol # | 3-Chlorophenol |
| 4,6-Dinitro-o-Cresol # | 4-Bromophenyl Phenyl Ether # |
| 4-Chloroaniline # | 4-Chlorophenol |
| 4-Chlorophenyl Phenyl Ether # | 4-Nitrophenol # |
| Acenaphthene # | Acenaphthylene # |
| Alachlor # | Aldicarb # |
| Ametryn # | Anthracene # |
| Atrazine # | Bendiocarb # |
| Benzo (a) anthracene # | Benzo (a) pyrene # |
| Benzo (b/j) fluoranthene # | Benzo (e) pyrene # |
| Benzo (g,h,i) perylene # | Benzo (k) fluoranthene # |
| Biphenyl # | Bis (2-Chloro Ethoxy)Methane # |
| Bis (2-Chloro Ethyl) Ether # | |
| Bis(2-chloro-1methylethyl) ether/ Bis (2-Chloro Isopropyl) Ether/ 2,2'-oxybis[1-chloro-propane] # | |
| Bis (2-ethylhexyl) Phthalate # | Bromoxynil # |
| Butyl Benzyl Phthalate # | Carbaryl # |
| Carbofuran # | Chlordane (a,g) |
| Chlorpyrifos (ethyl) # | Chrysene # |
| Cyanazine # | Des-ethylatrazine # |
| Diazinon # | Dibenzo (a,h) anthracene # |
| Dicamba # | Diclofop-methyl (as free acid) # |
| Diethyl Phthalate # | Dimethoate # |
| Dimethyl Phthalate # | Di-n-Butylphthalate # |
| Di-n-Octylphthalate # | Dinoseb # |
| Fluoranthene # | Fluorene # |
| Hexachlorobenzene # | Hexachlorobutadiene # |
| Hexachlorocyclopentadiene | Hexachloroethane # |
| Indeno (1,2,3 - cd) pyrene # | Isophorone # |
| m,p-cresol # | Malathion # |
| MCPA (OSDWA) | Methoxychlor # |
| Methyl Parathion # | Metolachlor # |
| Metribuzin # | Naphthalene # |
| Nitrobenzene # | N-Nitroso-di-n-Propyl Amine # |
| N-Nitroso-Diphenylamine/Diphenylamine # | |
| o-Cresol # | Oxychlordane |
| p,p'-DDD | p,p'-DDE |
| Parathion (ethyl) # | p-chloro-m-cresol # |
| Pentachlorobenzene | Pentachlorophenol # |
| Phenanthrene # | Phenol # |

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| | Phorate # Prometon # Propazine # Quinolone Simetryn # Terbutryn # Trifluralin # | Picloram # Prometryne # Pyrene # Simazine # Terbufos # Triallate # |
| CAM SOP-00305 (OSDWA) | Analysis of Glyphosate in Water and Soil by HPLC | |
| CAM SOP-00306 (OSDWA) | Analysis of Diuron, Guthion, and Temephos in Water by HPLC Diuron Guthion (azinphos-methyl) Temephos | |
| CAM SOP-00307, CAM SOP-00317, CAM SOP-00309 | Organochlorine Pesticides and PCBs in Solids, Water and Biological Materials by GC-ECD, Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD, and Neutral Chlorinated Hydrocarbons in Solid and Water by GC/ECD # (OSDWA) 1,2,3,4-tetrachlorobenzene # 1,2,3-Trichlorobenzene # 1,2,4-Trichlorobenzene # 2,4,5-Trichlorotoluene # a – Chlordane # Aroclor 1262 # Aroclor-1221 # Aroclor-1242 # Aroclor-1254 # Aroclor-1268 # d-BHC # Endosulfan I # Endosulfan Sulfate # Endrin Aldehyde # g – Chlordane # Heptachlor Epoxide # Hexachlorobutadiene # Hexachloroethane # Methoxychlor # O,p'-DDD # O,p'-DDT # Oxychlordane # p,p' Methoxychlor # p,p'-DDE # Total PCBs# | |
| | | 1,2,3,5-Tetrachlorobenzene # 1,2,4,5-Tetrachlorobenzene # 1,3,5-Trichlorobenzene # A – BHC # Aldrin # Aroclor-1016 # Aroclor-1232 # Aroclor-1248 # Aroclor-1260 # b-BHC # Dieldrin # Endosulfan II # Endrin # Endrin Ketone # Heptachlor # Hexachlorobenzene # Hexachlorocyclopentadiene # Lindane (gamma-BHC) # Mirex # O,p'-DDE # Octachlorostyrene # p,p' – DDT # p,p'-DDD # Pentachlorobenzene # Toxaphene |

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| CAM SOP-00313 | Analysis of Nonylphenols and Nonylphenol Ethoxylates in Water by HPLC Total Nonylphenol Total Nonylphenol Ethoxylates |
| CAM SOP-00315 (OSDWA) | Determination of CCME C6-C10 Hydrocarbons (F1) and BTEX in Soil and Water by Headspace GC/MS/FID Benzene Ethylbenzene F1: C6-C10 m/p-xylene o-xylene Toluene |
| CAM SOP-00316 (OSDWA) | Determination of CCME Extractable Petroleum Hydrocarbons (F2-4) in Water and Soil by GC/FID F2: C10-C16 F3: C16-C34 F4: C34-C50 |
| CAM SOP-00318 | Determination of Polynuclear Aromatic Hydrocarbons (PAHs) in Solid and Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene Acenaphthene Anthracene Benzo (a) pyrene Benzo (e) pyrene Benzo (k) fluoranthene Chrysene Fluoranthene Indeno (1,2,3-cd) pyrene Perylene Pyrene 2-methylnaphthalene Acenaphthylene Benzo (a) anthracene Benzo (b,j) fluoranthene Benzo (g,h,i) perylene Biphenyl Dibenzo (a,h) anthracene Fluorene Naphthalene Phenanthrene |
| CAM SOP-00320 (OSDWA) | The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC 1,3,5-Trinitrobenzene 2,4,6-Trinitrotoluene 2,6-Dinitrotoluene 2-Nitrotoluene 3-Nitrotoluene 4-Nitrotoluene Methyl-2,4,6-trinitrophenylnitramine Nitroglycerin Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine Pentaerythritol tetranitrite (PETN) 1,3-Dinitrobenzene 2,4-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 3,5-Dinitroaniline 4-Amino-2,6-dinitrotoluene Hexahydro-1,3,5-trinitro-1,3,5-triazine Nitrobenzene |
| CAM SOP-00322 (OSDWA) | The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC/FID |

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| | Diethylene glycol Ethylene glycol Propylene glycol |
| CAM SOP-00327 (OSDWA) | Analysis of Diquat and Paraquat in Water by HPLC-UV Detector Using Aqueous Ionic Mobile Phase Diquat Paraquat |
| CAM SOP-00330 | Determination of Phenoxy Acid Herbicides and related compounds in Aqueous and Solid Samples Using Selected Ion Monitoring (SIM) GC/MS 2,4,5-T 2,4-D 2,4-DP (dichlorprop) Acifluorfen Chloramben Dicamba MCPA Pentachlorophenol 2,4,5-TP 2,4-DB 3,5-dichlorobenzoic acid Bentazon DCPA Diacid Dinoseb (DNBP) MCP Picloram |
| CAM SOP-00332 | Determination of Chlorinated Phenols in Soil and Water Using Selected Ion Monitoring (SIM) GC/MS 2,3,4,5-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,3-Dichlorophenol 2,4,6-Trichlorophenol 2,4-Dimethylphenol 2,5-Dichlorophenol 2-Chlorophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4-Chloro-3-Methylphenol 4-Nitrophenol o-Cresol Phenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,6-Dichlorophenol 2-Nitrophenol 3,4-Dichlorophenol 4,6-Dinitro-2-methylphenol 4-Chlorophenol m/p-Cresol Pentachlorophenol |
| CAM SOP-00435 | Anions in Soil and Water by Ion Chromatography Bromide Nitrite (NO ₂) Chloride PO ₄ Fluoride Sulfate Nitrate |
| CAM SOP-00883 | Determination of Morpholine in Water Using LC/MS/MS |
| CAM SOP-00894 | Determination of Perfluorinated Compounds in Water and Soil By LC-MS-MS #(OSDWA) Perfluorobutanoic acid (PFBA) # Perfluoropentanoic acid (PFPeA) # Perfluorohexanoic acid (PFHxA) # Perfluoroheptanoic acid (PFHpA) # |

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| | <p>Perfluorooctanoic acid (PFOA) # Perfluorononanoic acid (PFNA) # Perfluorodecanoic acid (PFDA) # Perfluoroundecanoic acid (PFUnA) # Perfluorododecanoic acid (PFDoA) # Perfluorotridecanoic acid (PFTrDA) # Perfluorotetradecanoic acid (PFTeDA) # Perfluorobutanesulfonic acid (PFBS) # Perfluoropentanesulfonic acid (PFPeS) Perfluorohexanesulfonic acid (PFHxS) # Perfluoroheptanesulfonic acid (PFHpS) # Perfluorooctanesulfonic acid (PFOS) # Perfluorononanesulfonic acid (PFNS) Perfluorodecanesulfonic acid (PFDS) # Perfluorooctanesulfonamide (PFOSA) # N-methylperfluorooctanesulfonamide (MeFOSA) # N-ethylperfluorooctanesulfonamide (EtFOSA) # N-methylperfluorooctanesulfonamidoethanol (MeFOSE) # N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) # N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) # N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) # 4:2 Fluorotelomersulfonic acid (4:2FTS) 6:2 Fluorotelomersulfonic acid (6:2FTS) # 8:2 Fluorotelomersulfonic acid (8:2FTS) # Hexafluoropropylene oxide dimer acid (HFPO-DA) 4,8-dioxa-3H-perfluorononanoic acid (ADONA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)</p> |
| <p>CAM SOP-00954 (OSDWA)</p> | <p>Determination of Haloacetic Acids and Dalapon in Water by GC-ECD Monochloroacetic acid (MCAA) Monobromoacetic Acid (MBAA) Dichloroacetic Acid (DCAA) Dalapon Trichloroacetic Acid (TCAA) Bromochloroacetic Acid (BCAA) Dibromoacetic Acid (DBAA)</p> |

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| CAM SOP-00953 | <p>Per- and Polyfluorinated Alkyl Substances in Drinking Water by LC/MS/MS (EPA 537.1)</p> <p>11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)</p> <p>4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)</p> <p>9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9-Cl-PF3ONS)</p> <p>Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) – GenX</p> <p>n-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)</p> <p>n-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)</p> <p>Perfluorobutane Sulfonic Acid (PFBS)</p> <p>Perfluorodecanoic Acid (PFDA)</p> <p>Perfluorododecanoic Acid (PFDoA)</p> <p>Perfluoroheptanoic Acid (PFHpA)</p> <p>Perfluorohexane Sulfonic Acid (PFHxS)</p> <p>Perfluorohexanoic Acid (PFHxA)</p> <p>Perfluorononanoic Acid (PFNA)</p> <p>Perfluorooctane Sulfonic Acid (PFOS)</p> <p>Perfluorooctanoic Acid (PFOA)</p> <p>Perfluorotetradecanoic Acid (PFTeDA)</p> <p>Perfluorotridecanoic Acid (PFTrDA)</p> <p>Perfluoroundecanoic Acid (PFUnDA)</p> |
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| <p>CAM SOP-00970</p> | <p>PFAS in Drinking Water by SPE/LC-MS/MS (EPA 533) 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) 1H, 1H, 2H, 2H-Perfluorodecane Sulfonic Acid (8:2 FTS) 1H, 1H, 2H, 2H-Perfluorohexane Sulfonic Acid (4:2 FTS) 1H, 1H, 2H, 2H-Perfluorooctane Sulfonic Acid (6:2 FTS) 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9-Cl-PF3ONS) Ammonium 4,8-Dioxa-3H-Perfluorononanoate (ADONA) Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) – GenX Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) Perfluoro-3-Methoxypropanoic Acid (PFMPA) Perfluoro-4-Methoxybutanoic Acid (PFMBA) Perfluorobutane Sulfonic Acid (PFBS) Perfluorobutanoic Acid (PFBA) Perfluorodecanoic Acid (PFDA) Perfluorododecanoic Acid (PFDoA) Perfluoroheptane Sulfonic Acid (PFHpS) Perfluoroheptanoic Acid (PFHpA) Perfluorohexane Sulfonic Acid (PFHxS) Perfluorohexanoic Acid (PFHxA) Perfluorononanoic Acid (PFNA) Perfluorooctane Sulfonic Acid (PFOS) Perfluorooctanoic Acid (PFOA) Perfluoropentane Sulfonic Acid (PFPeS) Perfluoropentanoic Acid (PFPeA) Perfluoroundecanoic Acid (PFUnDA)</p> |
| <p>CAM SOP-00981</p> | <p>Analysis of PFAS in Environmental Samples by LC-MS/MS (Draft EPA 1633) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) 1H, 1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2 FTS) 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA, 3-Perfluoroheptyl Propanoic Acid) 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 4,4,5,5,6,6,6-Heptafluorohexanoi Acid (3:3 FTCA, 3-Perfluoropropyl Propanoic Acid) 4,8-dioxa-3H-perfluorononanoic acid (ADONA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) Hexafluoropropylene oxide dimer acid (HFPO-DA) N-ethylperfluorooctanesulfonamide (EtFOSA)</p> |

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| | <p>N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) N-methylperfluorooctanesulfonamide (MeFOSA) N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) N-methylperfluorooctanesulfonamidoethanol (MeFOSE) Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) Perfluoro-3-methoxypropanoic acid (PFMPA) Perfluoro-4-methoxybutanoic acid (PFMBA) Perfluorobutanesulfonic acid (PFBS) Perfluorobutanoic acid (PFBA) Perfluorodecanesulfonic acid (PFDS) Perfluorodecanoic acid (PFDA) Perfluorododecanesulfonic Acid (PFDoS) Perfluorododecanoic acid (PFDoA) Perfluoroheptanesulfonic acid (PFHpS) Perfluoroheptanoic acid (PFHpA) Perfluorohexanesulfonic acid (PFHxS) Perfluorohexanoic acid (PFHxA) Perfluorononanesulfonic acid (PFNS) Perfluorononanoic acid (PFNA) Perfluorooctanesulfonamide (PFOSA) Perfluorooctanesulfonic acid (PFOS) Perfluorooctanoic acid (PFOA) Perfluoropentanesulfonic acid (PFPeS) Perfluoropentanoic acid (PFPeA) Perfluorotetradecanoic acid (PFTeDA) Perfluorotridecanoic acid (PFTrDA) Perfluoroundecanoic acid (PFUnA)</p> |
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Occupational Health and Safety:

**Air Monitoring (Compressed Breathing Air Systems - Z180.1-00, Z180.1-13, Z275.1-16, Z275.2-15);
Medical Gases - CAN/CSA Z10083-08, CAN/CSA Z7396.1-06, Z7396.1-09, Z7396.1-12, Z7396.1-17)**

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| CAM SOP-00200 | Analysis of Oxygen, Nitrogen, Carbon Dioxide, Carbon Monoxide and Methane in Compressed Breathing and Medical Gases |
| CAM SOP-00201 | Analysis of Halogenated Hydrocarbon Compounds in Compressed Breathing Gases |
| CAM SOP-00202 | Total Non-methane Hydrocarbons in Compressed Breathing and Medical Gases |
| CAM SOP-00203 | Analysis of Nitrous Oxide in Compressed Breathing and Medical Gases |
| CAM SOP-00204 | C2-C4 Hydrocarbons in Compressed Breathing and Medical Gases |
| CAM SOP-00205 | Analysis of Water, Water Vapour and Odour in Compressed Breathing and |

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| | Medical Gases |
| CAM SOP-00206 | Determining Oil Particulates and Condensates in Compressed Breathing Gases |
| CAM SOP-00209 | Analysis of Percent Level Carbon Dioxide in Medical Gases |
| CAM SOP-00210 | Analysis of Oxygen by Paramagnetic Analyser in Compressed Breathing Gases |
| CAM SOP-00221 | Analysis of Nitrogen Oxides (NOx) in Gases |
| CAM SOP-00223 | Analysis of Percent Level Helium in Compressed Breathing Gases |
| CAM SOP-00225 | Analysis of Percent Level Helium in Compressed Breathing Gases Oxygen Carbon dioxide Methane |
| | Nitrogen Carbon monoxide |

METALLIC ORES AND PRODUCTS

Mineral Analysis Testing

Mineral Assaying (Ores, Rocks, Soil, Sediment, Concentrates, Metallic Liquors and other Process Products by Radiochemistry)

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| BQL SOP-00001 | Neutron Activation Long Lived Isotopes of: Antimony Arsenic Barium Cerium Cesium Chromium Cobalt Europium Gold Hafnium Iron Lanthanum Lutetium Molybdenum Neodymium Nickel Rubidium Samarium Scandium Selenium Silver Sodium Tantalum Terbium Thorium Titanium Tungsten Uranium Ytterbium Zinc Zirconium |
| BQL SOP-00002 | Neutron Activation Platinum Group Elements with Nickel-Sulphide Fire Assay Pre-Concentration Os Ir Pd Pt Rh Ru |
| BQL SOP-00004 | Neutron Activation Short-Lived Isotopes of: Aluminum Barium Bromine Calcium Chlorine Dysprosium Europium Fluorine Indium Iodine Magnesium Manganese Potassium Samarium Sodium Strontium Titanium Vanadium |
| BQL SOP-00005 | Delayed Neutron Counting for Uranium and U-235 |

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| BQL SOP-00007 | Gamma Spectrometry in Solids | | | |
| | Natural Decay Chain Isotopes: | | | |
| | Th-234 | Th-230 | Ra-414 | Pb-210 |
| | U-235 | Th-227 | Ra-223 | Ac-228 |
| | Ra-228 | Pb-212 | Rn-222 | Pb-214 |
| | Bi-214 | | | |
| | Synthetic Isotopes: | | | |
| | Cs-137 | Cs-134 | I-131 | Zn-65 |
| | Co-60 | Mn-54 | | |

NON-METALLIC MINERALS AND PRODUCTS

Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants):

Fuels and Lubricants

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| ASTM D0092 | Flash and Fire Points by Cleveland Open Cup Tester (SLA SOP 00010) |
| ASTM D0093 | Flash Point by Pensky-Martens Closed Cup Tester (SLA SOP-00029) |
| ASTM D0130 | Corrosiveness to Copper from Petroleum Products by Copper Strip Test (SLA SOP-00031) |
| ASTM D0445 | Kinematic Viscosity of Transparent and Opaque Liquids (SLA SOP 00028) |
| ASTM D0482 | Ash from Petroleum Products (SLA SOP-00117) |
| ASTM D0524 | Ramsbottom Carbon Residue of Petroleum Products (SLA SOP-00113) |
| ASTM D0611 | Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents (SLA SOP-00023) |
| ASTM D0664 | Acid Number of Petroleum Products by Potentiometric Titration (SLA SOP-00054) |
| ASTM D0721 | Oil Content of Petroleum Waxes (SLA SOP-00034) |
| ASTM D0874 | Sulfated Ash from Lubricating Oils and Additives (SLA SOP-00013) |
| ASTM D0892 (IP146 Alternative) | Foaming Characteristics of Lubricating Oils (SLA SOP-00012) |
| ASTM D0974 | Acid and Base Number by colour Indicator Titration (SLA SOP-00017) |
| ASTM D1160 | Standard Test Method for Distillation of Petroleum Products at Reduced Pressure |
| ASTM D1298 | Standard Test Method for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method (SLA SOP-00056) |
| ASTM D1401 | Water Separability of Petroleum Oils and Synthetic Fluids (SLA SOP-00018) |
| ASTM D1500 | ASTM colour of Petroleum Products (ASTM colour Scale) (SLA SOP-00063) |
| ASTM D1796 | Water and Sediment in Fuel Oils by the Centrifuge Method (SLA SOP 00001) |
| ASTM D2269 | UV Absorption for PNA |
| ASTM D2896 | Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration (Procedure B) (SLA SOP00005) |

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| ASTM D2983 | Low-Temperature Viscosity of Lubricants Measured by Brookfield Viscometer (SLA SOP 00024) |
| ASTM D4052 | Density and Relative Density of Liquids by Digital Density Meter (SLA SOP-00019) |
| ASTM D4294 | Sulphur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry (SLA SOP-00026) |
| ASTM D4629 | Trace Nitrogen in Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection (SLA SOP-00115) |
| ASTM D4951 | Determination of Additive Elements in Lubricating Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (SLA SOP-00111) |
| ASTM D5185 | Determination of Additive Elements, Wear Metals, and Contaminants in used Lubricating Oils and Determination of Selected Elements in Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (SLA SOP-00114) |
| ASTM D5293 | Apparent Viscosity of Engine Oils and Base Stocks Between -5° and -35° C by Using the Auto Cold- Cranking Simulator (SLA SOP-00057) |
| ASTM D5453 | Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Oil, Diesel Engine Oil, and Engine Oil by Ultraviolet Fluorescence (SLA SOP-00106) |
| ASTM D5771 | Cloud Point of Petroleum Products (Optical Detection Stepped Cooling Method) (SLA SOP-00119) |
| ASTM D5950 | Pour Point of Petroleum Products (Automatic Tilt Method) (SLA SOP-00030) |
| ASTM D6304 | Determination of Water in Petroleum Products, Lubricating Oils and Additives by Coulometric Karl Fisher Titration (SLA SOP-00112) |
| SLA SOP-00009 | Solid Paraffin Test |
| SLA SOP-00022 | Acidity of White Oils |
| SLA SOP-00067 | UV Aromatics |
| SLA SOP-00060 | Limit of Sulphur Compounds |
| SLA SOP-00148 | ISO Particle Count of Lubricating Oils Using an Optical Particle Counter |

Other (specify):

Number of Scope Listings: 344 plus 7 TMDNRT techniques

Notes:

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

RG-TMDNRT: SCC Requirements and Guidance for Accreditation of Laboratories Engaged in Test Method Development and Non-Routine Testing

APHA: American Public Health Association – Standard Methods for the Examination of Water and Wastewater

"OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002)



ASTM: ASTM International, formerly American Society for Testing and Materials

SOP: Standard Operating Procedure (Laboratory In-House Test Method)

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
Vice-President, Accreditation Services
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