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

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:	2024-11-29
Accreditation Valid to:	2028-10-06

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 MECP Licence 2312, 2314, 2315.

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 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 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)

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

BRL SOP-00408	PCB Congeners Analyses by HRGC/HRMS (based on EPA 1668A, 1668B, and 1668C) PCB Congeners (209 analytes)
BRL SOP-00410	DETERMINATION of POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) and POLYCHLORINATED DIBENZOFURANS (PCDFs) in WATER, SOIL, FOOD and BIOTA/TISSUE SAMPLES by ISOTOPE DILUTION HRGC/HRMS (Based on EPA Method 1613B)
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-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, Biota, NHP, Air
CAM SOP 00453	Mercury in Liquids, Swabs, Paint, Oil, NHP and Food by CVAA.
CAM SOP 00874	Analysis of Melamine and Cyanuric Acid in Food by LC/MS/MS
CAM SOP 00885	Analysis of Acrylamide in Food by LCMSMS
CAM SOP-00807	Per- and Polyfluoroalkyl Substances in (PFAS) in Biota by LC/MS/MS
CAM SOP-00901	Determination of Ethanol in Food and Beverages by Headspace GCMS

(Natural Health Products)

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			

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)

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)

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	
BQL SOP-00008	Gas Flow Proportional Counting			
	Gross Alpha Activity **(OSDWA)**		Gross Beta Activity **(OSDWA)**	
	Other radionuclides:			
	Pb-210 **(OSDWA)**		Ra-228**(OSDWA)**	
	Sr-90			
BQL SOP-00009	Liquid Scintillation Counting			
	Carbon-14			
	Tritium **(OSDWA)**			

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

CAM SOP 00447	ICPMS Metals in Waters, Foods, Solids, Biota, NHP, Air			
	Aluminum	Antimony	Arsenic	Barium
	Beryllium	Bismuth	Boron	Cadmium
	Calcium	Chromium	Cobalt	Copper
	Iron	Lead	Lithium	Magnesium
	Manganese	Mercury	Molybdenum	Nickel
	Phosphorus	Potassium	Selenium	Silver
	Sodium	Strontium	Tellurium	Thallium
	Thorium	Tin	Titanium	Tungsten
	Uranium	Vanadium	Zinc	Zirconium
BRL SOP-00103	Metals by ICP/MS in Soils, Air Impingers, and Filters			

	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, and Air Mercury (Hg)			
BRL SOP-00105	Anions by IC in Water and Air			
	Bromide	Chloride	Fluoride	Nitrite
	Phosphate	Sulfate Nitrate		
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 NH4+)			
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	
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 insoluable particulates, total insoluable 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 by Full Scan GCMS in Liquid, Solid and Air 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-Nitroancenphthene
	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
	Indole	Isophorone
	Naphthalene	Nitrobenzene
	N-Nitrosodimethylamine (NDMA)	N-Nitroso-di-N-Propylamine
	N-Nitrosodiphenylamine	Pentachlorophenol
	Perylene	Phenanthrene
	Phenol	Pyrene
BRL SOP-00201	Polynuclear Aromatic Hydrocarbons (PAHs) in Air by SIM GCMS (Modified CARB 429 method) Only air samples	
	2-Methylnaphthalene	Acenaphthene
	Acenaphthylene	Anthracene
	Benzo (a) anthracene	Benzo (a) pyrene
	Benzo (e) pyrene	Benzo (g,h,i) perylene

	Benzo (k) fluoranthene	Benzo (b) fluoranthene
	Chrysene	Dibenzo (a,h) anthracene
	Fluoranthene	Fluorene
	Indeno (1,2,3 cd) pyrene	Naphthalene
	Perylene	Phenanthrene
	Pyrene	
BRL SOP-00304	Volatiles in Summa Canisters by GCMS (Modified EPA TO-14A AND TO-15)	
	1,1,1-Trichloroethane	1,1,1,2-tetrachloroethane
	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
	1,1-Dichloroethane	1,1-Dichloroethene
	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene
	1,2,4-Trimethylbenzene	1,2-Dichlorobezene
	1,2-Dichloroethane	1,2-Dichloropropane
	1,3,5-Trimethylbenzene	1,3-Butadiene
	1,3-Dichlorobenzene	1,4-Dichlorobenzene
	1,4-Dioxane	2,2,4-Trimethypentane
	Butane	2-Butanone (MEK)
	2-Hexanone	2-Propanol
	4-Ethyltoluene	4-Methyl-2-Pentanone
	Acetone	Allyl Chloride
	Benzene	Benzyl chloride
	Bis (2-Chloroethyl) Ether	Bromobenzene
	Bromodichloromethane	Bromoform
	Bromomethane	Carbon Disulfide
	Carbon Tetrachloride	Chlorobenzene
	Chloroethane	Chloroform
	Chloromethane	cis-1,2-Dichloroethene
	cis-1,3-Dichloropropene	Cyclohexane
	Decane	Dibromochloromethane
	Dibromomethane	Dichlorodifluoromethane
	Ethanol	Ethyl Acetate
	Ethyl acrylate	Ethyl Benzene
	Ethyl Bromide	Ethylene Dibromide
	Halocarbon 113	Halocarbon 114
	Heptane	Hexachlorobutadiene
	Hexane	Isopropyl benzene (Cumene)
	Methyl Cyclohexane	Methyl Methacrylate
	Methyl Tertbutyl Ether	Methylene Chloride
	m-xylene	o-xylene
	Propene	p-xylene
	Styrene	Tetrachloroethene
	Tetrahydrofuran	Toluene
	trans 1,2-Dichloroethene	trans 1,3-Dichloropropene

		Trichloroethene
	Trichlorofluoromethane	Vinyl Acetate
	Vinyl Bromide	Vinyl Chloride
	Xylenes (total)	Napthalene
BRL SOP-00408	PCB Congeners Analyses by HRGC/HRMS (Based on EPA Methods 1668A/1668B/1668C) PCB Congeners (209 Analytes)	

(Chemistry - Air PCDD/PCDF)

BRL SOP-00404	Determination of Polychlorinated Dibenzo-p-dioxins (PCDD's) and Polychlorinated Dibenzofurans (PCDF's) in Air Samples by Isotope Dilution HRGC/HRMS (based on EPA 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 — 1,1,1,2-Tetracholoroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane — 1,1-Dichloroethane 1,1 Dichloroethene 1,2,3-Trichloropropane — 1,2-Dichlorobenzene 1,2-Dichloroethane — 1,2-Dichloropropane 1,3-Dichlorobenzene — 1,4-Dichlorobenzene 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 — Dibromomethane Dichlorodifluoromethane Ethyl Benzene — Ethylene Dibromide Iodomethane — Methylene Chloride Styrene — Tetrachloroethene Toluene — Trans-1,2-Dichloroethylene Trans-1,3-Dichloropropene — Trichloroethene Trichlorofluoromethane — Vinyl Chloride m-xylene — o-xylene p-xylene

(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-1248 Aroclor-1268	 Aroclor-1221 Aroclor-1254 Total PCB	 Aroclor-1232 Aroclor-1260	 Aroclor-1242 Aroclor-1262
CAM SOP 00408	ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Aluminum Bismuth Cobalt Manganese Strontium	 Arsenic Cadmium Copper Nickel Sulfur	 Barium Calcium Lead Potassium Vanadium	 Beryllium Chromium Magnesium Sodium Zinc

(Chemistry - Soil, Sediment, other environmental solids)

BRL SOP-00012	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-Nitrosopyrolidine N-Nitroso-di-n-butylamine	
BRL SOP-00014	Determination of Organochlorine Compounds in Water and Soil by Gas Chromatography/Triple Quadruple Mass Spectrometry (GC/MS/MS) (EPA 1699 Modified) 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-00217	1,4 Dioxane in Water and Soil using Isotope Dilution by GCMS			
BRL SOP-00406	Determination of Polychlorinated Dibenzo-p-dioxins (PCDD's) and Polychlorinated Dibenzofurans (PCDF's) in Water, Soil, Swab and Passive (PE film/SPME Fiber) Samples by Isotope Dilution HRGC/HRMS (based on EPA8290A Method)1,2,3,4,6,7,8,9-C18-Dibenzofuran 1,2,3,4,6,7,8-C17-Dibenzofuran 1,2,3,4,7,8,9-C17-Dibenzofuran 1,2,3,4,7,8-C16-Dibenzo-p-dioxin 1,2,3,6,7,8-C16-Dibenzo-p-dioxin 1,2,3,7,8,9-C16-Dibenzo-p-dioxin 1,2,3,7,8-C15-Dibenzo-p-dioxin 2,3,4,7,8-C15-Dibenzofuran 2,3,7,8-C14-Dibenzo-p-dioxin H6CDF		1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin 1,2,3,4,7,8-C16-Dibenzofuran 1,2,3,6,7,8-C16-Dibenzofuran 1,2,3,7,8,9-C16-Dibenzofuran 1,2,3,7,8-C15-Dibenzofuran 2,3,4,6,7,8-C16-Dibenzofuran 2,3,7,8-C14-Dibenzofuran H6CDD H7CDD	

	H7CDF	O8CDD
	O8CDF	P5CDD
	P5CDF	PCDD
	PCDF	T4CDD
	T4CDF	
BRL SOP-00408	PCB Congeners (209 Analytes) Analyses by HRGC / HRMS in Water, Soil and Air (Modified Based on EPA Methods 1668A/, 1668B, / 1668C) PCB Congeners(209 analytes)	
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-00228	Volatile Organic Compounds (VOCs) In Solid, Water and Leachate Samples Using Headspace GC/MS- SIM1,1,1,2-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
	1,3-Dichlorobenzene	1,4-Dichlorobenzene
		Acetone
	Benzene	Bromodichloromethane
	Bromoform	Bromomethane
	Carbon Tetrachloride	Chlorobenzene
	Chloroethane	Chloroform
	Chloromethane	cis-1,2-Dichloroethene
	cis-1,3-Dichloropropene	Dibromochloromethane
	Dichlorodifluoromethane	Dichloromethane
	Ethylbenzene	Hexane
	m/p-xylene	Methyl Ethyl Ketone
	Methyl Isobutyl Ketone	Methyl Tertbutyl Ether
	o-xylene	Styrene
	Tetrachloroethene	Toluene
	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene
	Trichloroethene	Trichlorofluoromethane
	Vinyl Chloride	
CAM SOP-00230	Volatile Organic Compounds (VOCs) and F1 Hydrocarbons in Solid and Water Samples using Headspace GC/MS/FID	
	1,1,1 Trichloroethane	1,1,1,2-Tetrachloroethane
	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
	1,1-Dichloroethane	1,1-Dichloroethylene
	1,2-Dichlorobenzene	1,2-Dichloroethane
	1,2-Dichloropropane	1,3-Dichlorobenzene
	1,4-Dichlorobenzene	Acetone
	Benzene	Bromodichloromethane
	Bromoform	Bromomethane
	Carbon Tetrachloride	Chlorobenzene
	Chloroethane	Chloroform
	Chloromethane	cis-1,2-Dichloroethylene
	cis-1,3-Dichloropropene	Dibromochloromethane
	Dichlorodifluoromethane	Ethylbenzene
	Ethylene dibromide	F1 (C6-C10)
	Hexane	Methyl ethyl ketone
	Methyl isobutyl ketone	Methyl t-butyl ether
	Methylene chloride	m-Xylene
	o-Xylene	p-Xylene
	Styrene	Tetrachloroethylene
	Toluene	trans-1,2-Dichloroethylene

	trans-1,3-Dichloropropene	Trichloroethylene
	Trichlorofluoromethane	Vinyl Chloride
CAM SOP-00301	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	
	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene
	1,2-Diphenylhydrazine	1,3-Dichlorobenzene
	1,4-Dichlorobenzene	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	2,3,6-Trichlorophenol
	2,3-Dichlorophenol	2,4,5-Trichlorophenol
	2,4,6-Trichlorophenol	2,4-Dichloro Phenol
	2,4-Dimethyl Phenol	2,4-Dinitrophenol
	2,4-Dinitrotoluene	2,5-Dichlorophenol
	2,6-Dichlorophenol	2,6-Dinitrotoluene
	2-Chloronaphthalene	2-Chlorophenol
	2-Methylnapthalene	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	Amytryne
	Anthracene	Atrazine
	Benzo (a) anthracene	Benzo (a) pyrene
	Benzo (b) 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) Phthaltate	Butyl Benzyl Phthalate
	Chrysene	Cyanazine
	Diazinon	Dibenzo (a,h) anthracene
	4,5-Dichloro-2-octyl-3(2H)- Isothiazolone (DCOIT)	
	Diethyl Phthalate	Dimethyl Phthalate
	Di-n-Butylphthalate	Di-n-Octylphthalate
	Fluoranthene	Fluorene
	Hexachlorobenzene	Hexachlorobutadiene
	Hexachlorocyclopentadiene	Hexachloroethane
	Indeno (1,2,3 - cd) pyrene	Isophorone
	m/p-cresol	Malathion

	Metribuzin	Naphthalene
	Nitrobenzene	N-Nitrosodimethylamine
	N-Nitroso-Di-N Propyl Amine	
	N-Nitroso-Diphenylamine/Diphenylamine	
	o-CresolParathion Ethyl	Parathion Methyl
	P-Chloro-M-Cresol	Pentachlorobenzene
	Pentachloro-phenol	Phenanthrene
	Phenol	Prometon
	Prometryne	Propazine
	Pyrene	Quinoline
	Simazine	Simetryn
	Terbutryn	
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	Extraction and Analysis of CCME Hydrocarbons F2-F4 (C10-C50)	
	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	2-methylnaphthalene
	Acenaphthene	Acenaphthylene
	Anthracene	Benzo (a) anthracene
	Benzo (a) pyrene	Benzo (b,j) fluoranthene
	Benzo (b) fluoranthene	Benzo (j) fluoranthene
	Benzo (e) pyrene	Benzo (g,h,i) perylene
	Benzo (k) fluoranthene	Biphenyl
	Chrysene	Dibenzo (a,h) anthracene
	Fluoranthene	Fluorene
	Indeno (1,2,3-cd) pyrene	Naphthalene
	Perylene	Phenanthrene
	Pyrene	
CAM SOP-00320	The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC	
	1,3,5-Trinitrobenzene	1,3-Dinitrobenzene
	2,4,6-Trinitrotoluene	2,4-Dinitrotoluene
	2,6-Dinitrotoluene	2-Amino-4,6-dinitrotoluene
	2-Nitrotoluene	3,5-Dinitroaniline
	3-Nitrotoluene	4-Amino-2,6-dinitrotoluene
	4-Nitrotoluene	Hexahydro-1,3,5-trinitro-1,3,5-triazine
	Methyl-2,4,6-trinitrophenylnitramine	Nitrobenzene

	Nitroglycerin Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine Pentaerythritol tetranitrite (PETN)
CAM SOP-00322	The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC FID Diethylene Glycol Ethylene Glycol Propylene Glycol
CAM SOP-00323	Total Oil and Grease and TPH Soxhlet Extraction Method for Soil Sample
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 — 2,4,5-TP 2,4-D — 2,4-DB 2,4-DP (dichlorprop) — 3,5-dichlorobenzoic acid Acifluorfen — Bentazon Chloramben — DCPA Diacid Dicamba — Dinoseb (DNBP) MCPA — MCPP Pentachlorophenol — Picloram
CAM SOP-00332	Determination of Chlorinated Phenols in Soil, Water, and Tissue Samples Using Selected Ion Monitoring (SIM) GC/MS 2,3,4,5-Tetrachlorophenol — 2,3,4,6-Tetrachlorophenol 2,3,4-Trichlorophenol — 2,3,5,6-Tetrachlorophenol 2,3,5-Trichlorophenol — 2,3,6-Trichlorophenol 2,3-Dichlorophenol — 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol — 2,4-Dichlorophenol 2,4-Dimethylphenol — 2,4-Dinitrophenol 2,5-Dichlorophenol — 2,6-Dichlorophenol 2-Chlorophenol — 2-Nitrophenol 3,4,5-Trichlorophenol — 3,4-Dichlorophenol 3,5-Dichlorophenol — 4,6-Dinitro-2-methylphenol 4-Chloro-3-Methylphenol — 4-Chlorophenol 4-Nitrophenol — m/p-Cresol o-Cresol — Pentachlorophenol Phenol
CAM SOP-00333	Determination of Selected Pesticides in Soil by LC/MS/MS Atrazine — Bromacil Desethyl-atrazine(De-ethylated atrazine) — Diuron Linuron — Simazine Tebuthiuron
CAM SOP-00334	Analysis of 1,4 Dioxane in Water, Soil and SPLP by GC/MS
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	Lithium	Magnesium
	Manganese	Molybdenum	Nickel	Phosphorus
	Potassium	Selenium	Silicon	Silver
	Sodium	Strontium	Sulphur	Thallium
	Tin	Titanium	Vanadium	Zinc
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	Chloride		Nitrate
		PO_4	Sulfate	
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, Biota, NHP and Air			
	Aluminum	Antimony	Arsenic	Barium
	Beryllium	Bismuth	Boron	Cadmium
	Calcium	Chromium	Cobalt	Copper
	Iron	Lead	Lithium	Magnesium
	Manganese	Mercury	Molybdenum	Nickel
	Phosphorus	Potassium	Selenium	Silver
	Sodium	Strontium	Tellurium	Thallium
	Thorium	Tin	Titanium	Tungsten
	Uranium	Vanadium	Zinc	Zirconium
CAM SOP-00451	Determination of Perchlorate in Water and Soil by LC/MS/MS			
CAM SOP-00453	Mercury in Liquids, 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) 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)
CAM SOP-00981	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) 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)

CAM SOP-00985	Analysis of PFAS in Aqueous, Solid and Biota Samples by LC-MS/MS, except for biota (Modified EPA 1633) 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) Perfluorohexadecanoic acid (PFHxDA) Perfluorooctadecanoic acid (PFODA) Perfluoro-1-propane sulfonic acid (PFPrS) Perfluorobutanesulfonic acid (PFBS) Perfluoropentanesulfonic acid (PFPeS) Perfluorohexanesulfonic acid (PFHxS) Perfluoroheptanesulfonic acid (PFHpS) Perfluorooctanesulfonic acid (PFOS) Perfluorononanesulfonic acid (PFNS) Perfluorodecanesulfonic acid (PFDS) Perfluorododecanesulfonic Acid (PFDoS) 2H-Perfluorooctenoic Acid (FHUEA) 2h-Perfluoro-decenoic Acid (FOUEA) 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 1H, 1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2 FTS) 10:2 Fluorotelomersulfonic acid (10:2-FTS) Perfluorooctanesulfonamide (PFOSA) N-methylperfluorooctanesulfonamide (MeFOSA) N-ethylperfluorooctanesulfonamide (EtFOSA) N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) N-methylperfluorooctanesulfonamidoethanol (MeFOSE) N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) Hexafluoropropylene oxide dimer acid (HFPO-DA) 4,8-dioxa-3H-perfluorononanoic acid (ADONA) Perfluoro-3-methoxypropanoic acid (PFMPA)

		Perfluoro-4-methoxybutanoic acid (PFMBA) Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS) 4,4,5,5,6,6,6-Heptafluorohexanoi Acid (3:3 FTCA, 3-Perfluoropropyl Propanoic Acid) 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA, 3-Perfluoroheptyl Propanoic Acid)

(Chemistry - Swabs)

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)

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	DETERMINATION of POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) and POLYCHLORINATED DIBENZOFURANS (PCDFs)in WATER, SOIL, FOOD and BIOTA/TISSUE SAMPLES by ISOTOPE DILUTION HRGC/HRMS (Based on EPA Method 1613B)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 H7CDD H7CDF O8CDD O8CDF P5CDD P5CDF PCDD PCDF T4CDD T4CDF

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 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Hexanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Hexane m/p-xylene Methyl Ethyl Ketone Methyl Isobutyl Ketone Methyl Tertbutyl Ether o-xylene Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichlorofluoromethane Vinyl Chloride
CAM SOP-00228	Volatile Organic Compounds (VOCs) In Solid, Water and Leachate Samples Using Headspace GC/MS- SIM1,1,1,2-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 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Hexanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Dichloroethane Ethylbenzene Hexane m/p-xylene Methyl Ethyl Ketone Methyl Isobutyl Ketone Methyl Tertbutyl Ether

	Methylene Chloride	
	o-xylene	Styrene
	Tetrachloroethene	Toluene
	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene
	Trichloroethene	Trichlorofluoromethane
CAM SOP-00301	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	
	Anthracene	1,2,4-Trichlorobenzene
	1,2-Dichlorobenzene	1,2-Diphenylhydrazine
	1,3-Dichlorobenzene	1,4-Dichlorobenzene
	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
	2,3,6-Trichlorophenol	2,3-Dichlorophenol
	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
	2,4-Dichloro Phenol	2,4-Dimethyl Phenol
	2,4-Dinitrophenol	2,4-Dinitrotoluene
	2,5-Dichlorophenol	2,6-Dichlorophenol
	2,6-Dinitrotoluene	2-Chloronaphthalene
	2-Chlorophenol	2-Methylnapthalene
	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
	Amytryne	Atrazine
	Benzo (a) anthracene	Benzo (a) pyrene
	Benzo (b) 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	Butyl Benzyl Phthalate
	Chrysene	Cyanazine
	Diazinon	Dibenzo (a,h) anthracene
	Diethyl Phthalate	Dimethyl Phthalate
	Di-n-Butylphthalate	Di-n-Octylphthalate
	Fluoranthene	Fluorene
	Pentachlorobenzene	Hexachlorobenzene

	Hexachlorobutadiene	Hexachlorocyclopentadiene
	Hexachloroethane	Indeno (1,2,3 - cd) pyrene
	Isophorone	m/p-cresol
	Malathion	Metribuzin
	Naphthalene	Nitrobenzene
	N-Nitrosodimethylamine	N-Nitroso-Di-N Propyl Amine
	N-Nitroso-Diphenylamine/Diphenylamine	o-Cresol
	Parathion Ethyl	Parathion Methyl
	P-Chloro-M-Cresol	Pentachloro-phenol
	Phenanthrene	Phenol
	Prometon	Prometryne
	Propazine	Pyrene
	Quinoline	Simazine
	Simetryn	Terbutryn
CAM SOP-00305	Analysis of Glyphosate in Water, and Soil by HPLC	
CAM SOP-00306	Analysis of Diuron, Guthion, and Temephos in Water, Leachate and Miscellaneous matrices using HPLC with UV Detector Diuron Guthion (azinphos-methyl) Temephos	
CAM SOP-00307, 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	
	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'-DDT Total PCB	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	Extraction and Analysis of CCME Hydrocarbons F2-F4 (C10-C50) F2: C10-C16 F4: C34-C50	F3: C16-C34 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	Analysis of 1,4 Dioxane in Water, Soil and SPLP by GC/MS	
CAM SOP-00411	Nitrilotriacetic Acid (NTA) in Water and TCLP Extracts 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, Biota, NHP and Air Aluminum Cadmium Iron Mercury Selenium Zinc	Arsenic Calcium Lead Nickel Sodium
		Barium Chromium Magnesium Phosphorus Tin
		Boron Copper Manganese Potassium Titanium
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)

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)**	Nitrilotriacetic Acid (NTA) in Water and TCLP Extracts by UV-Vis Spectroscopy
CAM SOP-00412 **(OSDWA)**	Spectrophotometric Determination of True 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
CAM SOP-00421	Oxidation-Reduction Potential in Waters and Soils
CAM SOP-00425	Determination of Free or Total Residual Chlorine in Water by HACH colourimetry Free Residual chlorine

	Total Residual 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)**	Solids in Water, Solid and Semisolid (biosolid, sludge) by gravimetry 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, Biota NHP and Air 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
CAM SOP-00448 **(OSDWA)**	Alkalinity in Waters by PC-Titrate. Alkalinity (pH 4.5)
CAM SOP-00449	Fluoride in Waters, Soil, Air and Vegetation by ISE

(OSDWA)	
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)

CAM SOP-00508 **(OSDWA)**	Enumeration of *Pseudomonas Aeruginosa* in Water with the Membrane Filtration Technique
CAM SOP-00511	Enumeration of Fecal *Streptococcus* and *Enterococcus* in Water with the Membrane Filtration Technique *Enterococcus* Fecal *Streptococcus* **(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, *E. coli*, in Water with the Presence/Absence Technique *Escherichia coli (E. coli)* Fecal Coliforms Total Coliforms
CAM SOP-00551 **(OSDWA)**	Enumeration of Coliform and *E. coli* in Potable Water Using Membrane Filtration and DC Agar Background Escherichia coli (*E. coli*) Total Coliforms

CAM SOP-00552	Enumeration of Coliform, Fecal Coliform and *E. coli i*n Water and Environmental Samples Using Mendo, mFC-RA and mFC-BCIG Agar and of *E. coli i*n Biosolids using mFC-BCIG Agar Background Counts *Escherichia coli (E. coli)* Fecal Coliforms **(OSDWA)** Total Coliforms
CAM SOP-00581	Detection of Coliforms and *E. coli* in Water by Presence/Absence Technique by using LMX Broth *Escherichia coli (E. coli)* 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-Nitrosopyrolidine N-Nitroso-di-n-butylamine	
BRL SOP-00013 **(OSDWA)**	Determination of Geosmin and 2-Methylisoborneol in Water by Gas Chromatography/Triple Quadruple Mass Spectrometry (GC/MS/MS)Geosmin 2-Methylisoborneol (2-MIB)			
BRL SOP-00014	Determination of Organochlorine in Water and Soil by Gas Chromatography/Triple Quadruple Mass Spectrometry (GC/MS/MS) (EPA 1699 modified) 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-00217 **(OSDWA)**	1,4-Dioxane in Water and Soil Using Isotope Dilution by GCMS			
BRL SOP-00406	Determination of Polychlorinated Dibenzo-p-dioxins (PCDD's) and Polychlorinated Dibenzofurans (PCDF's) in Water, Soil, Swab and Passive (PE film/SPME Fiber) Samples by Isotope Dilution HRGC/HRMS (based on EPA8290A Method)1,2,3,4,6,7,8,9-C18-Dibenzofuran 1,2,3,4,6,7,8-C17-Dibenzofuran 1,2,3,4,7,8,9-C17-Dibenzofuran 1,2,3,4,7,8-C16-Dibenzo-p-dioxin		1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin 1,2,3,4,7,8-C16-Dibenzofuran 1,2,3,6,7,8-C16-Dibenzofuran	1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin

	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)**	PCB Congeners Analyses by HRGC / HRMS (Based on EPA Methods 1668A, 1668B, 1668C) PCB Congeners(209 analytes)	
BRL SOP-00410	DETERMINATION of POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) and POLYCHLORINATED DIBENZOFURANS (PCDFs)in WATER, SOIL, FOOD and BIOTA/TISSUE SAMPLES by ISOTOPE DILUTION HRGC/HRMS (Based on EPA Method 1613B)# **(OSDWA)**	
	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 #
	2,3,4,7,8-Cl5-Dibenzofuran #	2,3,7,8-Cl4-Dibenzofuran #
	2,3,7,8-Cl4-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	Analysis of Dissolved Methane and Other Gases in Water by GC/FID Headspace	
	Acetylene	Carbon Dioxide
	Methane **(OSDWA)**	Propane
	Ethane	Ethylene
	Propylene	
CAM SOP-00226	Volatile Organic Compounds by Purge and Trap GC/MS in Water, Leachates and Soil #**(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#
	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-00228	Volatile Organic Compounds (VOCs) In Solid, Water and Leachate Samples Using Headspace GC/MS- SIM **(# 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	
	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
	1,1-Dichloroethane	1,1-Dichloroethylene
	1,2-Dichlorobenzene	1,2-Dichloroethane
	1,2-Dichloropropane	1,3-Dichlorobenzene

	1,4-Dichlorobenzene	Acetone
	Benzene	Bromodichloromethane
	Bromoform	Bromomethane
	Carbon Tetrachloride	Chlorobenzene
	Chloroethane	Chloroform
	Chloromethane	cis-1,2-Dichloroethylene
	cis-1,3-Dichloropropene	Dibromochloromethane
	Dichlorodifluoromethane	Ethylbenzene
	Ethylene dibromide	F1(C6-C10)
	Hexane	Methyl ethyl ketone
	Methyl isobutyl ketone	Methyl t-butyl ether
	Methylene chloride	m-Xylene
	o-Xylene	p-Xylene
	Styrene	Tetrachloroethylene
	Toluene	trans-1,2-Dichloroethylene
	trans-1,3-Dichloropropene	Trichloroethylene
	Trichlorofluoromethane	Vinyl chloride
	Ethanol	Isopropanol
	tert-Butanol	1-Propanol
	2-Butanol	Isobutanol
	1-Butanol	Acetaldehyde
CAM SOP-00301	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-Dichlorobenzene
	1,2-Diphenylhydrazine	1,3-Dichlorobenzene #
	1,4-Dichlorobenzene	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 #	2,3,6-Trichlorophenol #
	2,3-Dichlorophenol #	2,4,5-TP #
	2,4,5-Trichlorophenol #	2,4,5-trichlorophenoxyacetic acid #
	2,4,6-trichlorophenol #	2,4-dichlorophenol #
	2,4-dichlorophenoxyacetic acid #	2,4-Dimethyl Phenol #
	2,4-Dinitrophenol #	2,4-Dinitrotoluene #
	2,5-Dichlorophenol #	2,6-Dichlorophenol #
	2,6-Dinitrotoluene #	2-Chloronaphthalene #
	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 #
	4,5-Dichloro-2-octyl-3(2H)- Isothiazolone (DCOIT)	
	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 #
	Phorate #	Picloram #
	Prometon #	Prometryne #
	Propazine #	Pyrene #
	Quinolone	Simazine #

	Simetryn # Terbutryn # Trifluralin #	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, Leachate and Miscellaneous matrices using HPLC with UV Detector 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
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)**	Extraction and Analysis of CCME Hydrocarbons F2-F4 (C10-C50) 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 2-methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b,j) fluoranthene Benzo (b) fluoranthene Benzo (j) fluoranthene Benzo (e) pyrene Benzo (g,h,i) perylene Benzo (k) fluoranthene Biphenyl Chrysene Dibenzo (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Perylene Phenanthrene Pyrene
CAM SOP-00320 **(OSDWA)**	The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 2-Nitrotoluene 3,5-Dinitroaniline 3-Nitrotoluene 4-Amino-2,6-dinitrotoluene 4-Nitrotoluene Hexahydro-1,3,5-trinitro-1,3,5-triazine Methyl-2,4,6-trinitrophenylnitramine Nitrobenzene Nitroglycerin Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine Pentaerythritol tetranitrite (PETN)
CAM SOP-00322 **(OSDWA)**	The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC/FID 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 2,4,5-TP 2,4-D 2,4-DB 2,4-DP (dichlorprop) 3,5-dichlorobenzoic acid Acifluorfen Bentazon Chloramben DCPA Diacid Dicamba Dinoseb (DNBP) MCPA MCPP Pentachlorophenol Picloram
CAM SOP-00332	Determination of Chlorinated Phenols in Soil, Water and Tissue samples Using Selected Ion Monitoring (SIM) GC/MS 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5,6-Tetrachlorophenol 2,3,5-Trichlorophenol 2,3,6-Trichlorophenol 2,3-Dichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,5-Dichlorophenol 2,6-Dichlorophenol 2-Chlorophenol 2-Nitrophenol 3,4,5-Trichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol 4,6-Dinitro-2-methylphenol 4-Chloro-3-Methylphenol 4-Chlorophenol 4-Nitrophenol m/p-Cresol o-Cresol Pentachlorophenol Phenol
CAM SOP-00334	Analysis of 1,4 Dioxane in Water, Soil and SPLP by GC/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) # 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)
CAM SOP-00954 **(OSDWA)**	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)

CAM SOP-00953	Per- and Polyfluorinated Alkyl Substances in Drinking Water by LC/MS/MS (EPA 537.1) 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) 4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA) 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9-Cl-PF3ONS) Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) – GenX n-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA) n-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA) Perfluorobutane Sulfonic Acid (PFBS) Perfluorodecanoic Acid (PFDA) Perfluorododecanoic Acid (PFDoA) Perfluoroheptanoic Acid (PFHpA) Perfluorohexane Sulfonic Acid (PFHxS) Perfluorohexanoic Acid (PFHxA) Perfluorononanoic Acid (PFNA) Perfluorooctane Sulfonic Acid (PFOS) Perfluorooctanoic Acid (PFOA) Perfluorotetradecanoic Acid (PFTeDA) Perfluorotridecanoic Acid (PFTrDA) Perfluoroundecanoic Acid (PFUnDA)

CAM SOP-00970	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)
CAM SOP-00981	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)

	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)

CAM SOP-00985	Analysis of PFAS in Aqueous, Solid and Biota Samples by LC-MS/MS, except for biota (modified EPA 1633) 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) Perfluorohexadecanoic acid (PFHxDA) Perfluorooctadecanoic acid (PFODA) Perfluoro-1-propane sulfonic acid (PFPrS) Perfluorobutanesulfonic acid (PFBS) Perfluoropentanesulfonic acid (PFPeS) Perfluorohexanesulfonic acid (PFHxS) Perfluoroheptanesulfonic acid (PFHpS) Perfluorooctanesulfonic acid (PFOS) Perfluorononanesulfonic acid (PFNS) Perfluorodecanesulfonic acid (PFDS) Perfluorododecanesulfonic Acid (PFDoS) 2H-Perfluorooctenoic Acid (FHUEA) 2h-Perfluoro-decenoic Acid (FOUEA) 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 Fluorotelomersulfonic Acid, 4:2FTS) 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2 Fluorotelomersulfonic Acid, 6:2FTS) 1H, 1H, 1H, 2H, 2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonic Acid, 8:2 FTS) 10:2 Fluorotelomersulfonic acid (10:2-FTS) Perfluorooctanesulfonamide (PFOSA) N-methylperfluorooctanesulfonamide (MeFOSA) N-ethylperfluorooctanesulfonamide (EtFOSA) N-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA) N-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA) N-methylperfluorooctanesulfonamidoethanol (MeFOSE) N-ethylperfluorooctanesulfonamidoethanol (EtFOSE) Hexafluoropropylene oxide dimer acid (HFPO-DA) 4,8-dioxa-3H-perfluorononanoic acid (ADONA) Perfluoro-3-methoxypropanoic acid (PFMPA)

	Perfluoro-4-methoxybutanoic acid (PFMBA) Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA) Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS) 4,4,5,5,6,6,6-Heptafluorohexanoi Acid (3:3 FTCA, 3-Perfluoropropyl Propanoic Acid) 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA, 3-Perfluoroheptyl Propanoic Acid)

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)

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 Compounds in Compressed Breathing and Medical 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	Hydrocarbons in Compressed Breathing Air, Medical Gases, and Other Gases
CAM SOP-00205	Water, Water Vapour and Odour in Compressed Breathing and Medical Gases
CAM SOP-00206	Determining Oil Particulates and Condensates in Compressed Breathing and Medical 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-00216	Analysis of Percent Level Medical Nitrous Oxide
CAM SOP-00223	Analysis of Percent Level Helium in Compressed Breathing Gases
CAM SOP-00225	Analysis of Percent Level Gases O2, N2, CO2, CO and Methane Helium in Compressed Breathing Gases by GC-TCD Oxygen — Nitrogen Carbon dioxide — Carbon monoxide Methane

METALLIC ORES AND PRODUCTS

Mineral Analysis Testing

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

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 Rh	Ir Ru	Pd	Pt
BQL SOP-00004	Neutron Activation Short-Lived Isotopes of: Aluminum Chlorine Indium Potassium Titanium	Barium Dysprosium Iodine Samarium Vanadium	Bromine Europium Magnesium Sodium	Calcium Fluorine Manganese Strontium
BQL SOP-00005	Delayed Neutron Counting for Uranium and U-235			
BQL SOP-00007	Gamma Spectrometry in Solids Natural Decay Chain Isotopes: Th-234 U-235 Ra-228 Bi-214 Synthetic Isotopes: Cs-137 Co-60	 Th-230 Th-227 Pb-212 Cs-134 Mn-54	 Ra-414 Ra-223 Rn-222 I-131	 Pb-210 Ac-228 Pb-214 Zn-65

NON-METALLIC MINERALS AND PRODUCTS

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

Fuels and Lubricants

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 D217	Cone Penetration of Lubricating Grease (SLA SOP-00032) Non-metallic minerals and products. Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants): Fuels and Lubricants
ASTM D0445	Kinematic Viscosity of Transparent and Opaque Liquids (SLA SOP 00028)
ASTM D0482	Ash from Petroleum Products (SLA SOP-00117)
ASTM D0524	Ramsbotton 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 (SLA SOP-00150)
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 and Petroleum by the Centrifuge Method (SLA SOP 00001)
ASTM D2265	Dropping Point of Lubricating Grease Over Wide Temperature Range (SLA SOP-00038) Non-metallic minerals and products. Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants): Fuels and Lubricants
ASTM D2269	UV Absorption for PNA (SLA SOP-00055)
ASTM D2896	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration (Procedure B) (SLA SOP00005)
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 D4739	Base Number Determination by Potentiometric Hydrochloric Acid Titration (SLA SOP-00131) Non-metallic minerals and products. Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants): Fuels and Lubricants
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: 240 plus 6 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-ccn.ca.

Elias Rafoul
Vice-President, Accreditation Services
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